





dezembro de 2022



**European Industrial Strategy in the recent context:** 

Industrial Ecosystems and Strategic Dependencies' insights from Portugal

**Guida Nogueira | Paulo Inácio | Joana Almodovar** 

Gabinete de Estratégia e Estudos da Economia e do Mar

Office for Strategy and Studies of Economy and Maritime Affairs Avenida da República, n.º 79 - 1069-218 Lisboa, Portugal

www.gee.gov.pt

ISSN (online): 1647-6204









# European Industrial Strategy in the recent context: Industrial Ecosystems and Strategic Dependencies' insights from Portugal

Guida Nogueira <sup>1</sup>, Paulo Inácio <sup>2</sup>, Joana Almodovar <sup>3</sup>

#### Abstract

Globalisation is an important source of efficiency gains, contributing to boost economic growth, improve income, and enhance well-being worldwide.

The COVID-19 pandemic has re-ignited the debate around the pros and cons of globalisation, and the world economy is currently faced with a potential major reconfiguration.

In this context, the EU is updating its industrial strategy to increase Europe's self-sufficiency in strategic sectors, boost its own industry and assert its economic power. By acknowledging the richness of this analytical approach, the purpose of this article is to transpose EU's methodology to the Portuguese case to gain a country level perspective that improves the understanding of common versus specific challenges and vulnerabilities of the Portuguese economy vis-à-vis EU's economy.

Specifically, we reproduce the proposed key performance indicators for the 14 industrial strategic ecosystems at the EU level for Portugal and we apply the EC methodology to identify strategic dependencies at the national level.

**JEL Classification:** F13, F15, F60, L52, O14

Keywords: International Trade, Industrial strategic ecosystems, Strategic dependencies

Note: This article is sole responsibility of the authors and do not necessarily reflect the positions of GEE or the Portuguese Ministry of Economy and Maritime Affairs.

<sup>&</sup>lt;sup>1</sup> Gabinete de Estudos do Ministério da Economia e do Mar (GEE): <u>guida.nogueira@gee.gov.pt</u>.

<sup>&</sup>lt;sup>2</sup> Gabinete de Estudos do Ministério da Economia e do Mar (GEE): <u>paulo.inacio@gee.gov.pt</u>.

<sup>&</sup>lt;sup>3</sup> Gabinete de Estudos do Ministério da Economia e do Mar (GEE): <u>joana.almodovar@gee.gov.pt</u>.





## 1. Introduction

**Globalisation is an important source of efficiency gains**, contributing to boost economic growth, improve income, and enhance well-being worldwide. However, these benefits are mirrored by significant risks, as a globally integrated economy also represents an important channel for the diffusion and amplification of shocks across countries and sectors, with significant economic and social costs.

The COVID-19 pandemic has re-ignited the debate around the pros and cons of globalisation, and the world economy is currently faced with a potential major reconfiguration. For the European Union (EU), it has contributed to highlight several aspects. First, it has revealed the weaknesses of the current supply-chain model, by exposing EU's vulnerability to supply disruptions. Second, it has shown how much the EU economically and strategically relies on critical raw materials, often concentrated in just a few countries. Third, it has heightened the US-China trade competition, impacting on the current geopolitical context. Finally, as global competition increases, alliances are shifting, and Russia's decoupling from the West has also highlighted the vulnerability of Europe's energy supply that can impact economic recovery. Such geopolitical hardening has deepened EU's concerns and debate on excessive dependencies particularly on risky suppliers, calling for the reinforcement of European economic sovereignty and redesign of international trade flows.

In this context, the EU is updating its industrial strategy to increase Europe's self-sufficiency in strategic sectors, boost its own industry and assert its economic power. The European Commission (EC) has put forward an analytical approach to build a better understanding of the needs and challenges faced by the EU economy in this process and shape the appropriate policy actions that will set the way to increase supply-chain resilience, improve crisis preparedness and deliver the objectives of the industrial strategy.

By acknowledging the richness of this analytical approach, the purpose of this article is to **transpose EU's methodology to the Portuguese case** to gain a country level perspective that improves the understanding of common *versus* specific challenges and vulnerabilities of the Portuguese economy vis-à-vis EU's economy.

Specifically, we reproduce the proposed key performance indicators for the 14 **industrial strategic ecosystems** at the EU level for Portugal and we apply the EC methodology to identify **strategic dependencies** at the national level.

Currently, the Office for Strategy and Studies (*Gabinete de Estratégia e Estudos* – GEE) is developing analytical work in this area in Portugal and participating in initiatives from the European Commission, namely the EC Chief Economists' Network and the Task Force 3 Strategic Dependencies from the Industrial Forum on two goals related to supply chains:





identification and assessment of strategic dependencies; and monitoring supply chain distress.

The article is organized as follows. Section 2 offers a quick overview of EU's Industrial Strategy, explaining its ambitions and how it is being translated into practice. In sections 3 and 4 we present two specific data-driven analytical approaches developed by the EC for evidence-based policymaking, transpose them to the Portuguese case, and present the results comparing to those of the EU. Section 5 presents some final remarks.

### 2. Framework

The European industrial sector is a central pillar for the economy as it substantially contributes to value added, employment and innovation. Europe is a major player in many industrial sectors and technologies however, it has not been immune to the costs of globalisation. Globalisation presents both opportunities and challenges that, on the one hand, can make economies more productive and vibrant but, on the other hand, can lead to deindustrialisation and loss of international competitiveness. The impact of globalisation in the EU economy has varied significantly across members-states and sectors, impacting on the EU's ability to keep pace with its peers in a context of increasingly global competition, thus calling for ambitious and appropriate policy interventions to regenerate economic activity in areas that experienced negative effects and assert EU's economic power.

Against this backdrop, the EU is in the midst of rethinking its industrial policy to cope with the increasing challenges brought by the new geopolitical and economic context. Competitiveness is at the heart of this agenda.

In March 2019, the European Council called on the European Commission to present a long-term vision on industrial policy. One year later, the Commission laid the foundations for "A New Industrial Strategy for Europe" focused in achieving industrial transformation that spurs change, innovation, and growth, towards a more sustainable, digital, and globally competitive economy.

In May 2021, the Commission updated the new industrial strategy to take full account of the challenges raised throughout the COVID-19 crisis. The crisis revealed the interdependence of global value chains, demonstrating the critical role of a globally integrated and well-functioning Single Market, but it also highlighted some important weaknesses, related to the current global supply chain model, that have the potential to induce significant economic vulnerabilities, thus reinforcing the relevance of the strategy itself. The updated new industrial strategy endures the priorities set out in the March 2020 communication and draws on the lessons learned from the Coronavirus outbreak, by addressing the need to strengthen the resilience of the Single Market, support Europe's Open





Strategic Autonomy, through dealing with dependencies, and support the business case for the twin transitions.

In a nutshell, the EU Industrial Strategy sets out three priorities for industrial transformation: i) maintaining European industry's global competitiveness and a level playing field, at home and globally, ii) making Europe climate-neutral by 2050 and iii) shaping Europe's digital future. But it also outlines a comprehensive set of inter-connected and reinforcing actions, to guide its implementation as illustrated in Figure 1.

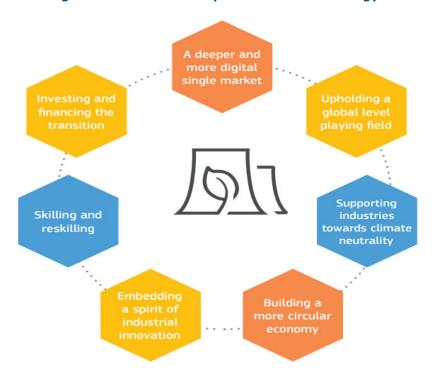


Figure 1 - The new European Industrial Strategy

Source: Image reproduced from European Commission.

The first step for a successful and coherent implementation of the industrial strategy, is to fully understand the challenges, barriers, and vulnerabilities of the single market, including those raised throughout recent events such as the pandemic crisis and the war in Ukraine and propose measures to strengthen its resilience and functioning, driving European industry's global competitiveness in this new and increasingly uncertain global terrain.

To support the European institutions in this quest, a "New Industrial Forum" was launched as part of the Industrial Strategy, consisting of a multi-stakeholder initiative, that gathers industry, Member States, research institutions and social partners, to develop a tailored assessment of the challenges and needs faced by each industrial ecosystem on its journey towards climate neutrality and digital transformation, and co-design targeted solutions strategies.





Given the complexity and multidisciplinarity of these challenges, the New Industrial Forum was organised into five permanent task forces, as illustrated in figure 2, dedicated to important transversal topics, to deliver on the objectives of the Industrial Strategy: i) deepen the systematic analyses of the different industrial ecosystems; ii) deliver on transition pathways in different ecosystems; iii) improve understanding of the EU economy's strategic dependencies and vulnerabilities; iv) identify cross-border and cross-ecosystem investment needs and cooperation opportunities; and v) support the uptake of advanced manufacturing processes by EU industry.

**European Industrial Strategy** Achieving industrial transformation 4 **New Industrial Forum** TF1 TF5 TF2 TF3 TF4 Performs economic Supports the Supports the analysis ldentifies cross-border Supports the uptake of and cross-ecosystem investment needs and advanced manufacturing processes by EU development of transition pathways of strategic dependencies ecosystems cooperation opportuni<u>ties</u> industry

Figure 2 - Implementing the European Industrial Strategy

Source: Own elaboration based on European Commission.

Two important Staff Working documents feed into the work of the Industrial Forum by offering the analytical underpinning to address such topics:

- 1) The Annual Single Market Report, 2021 (European Commission, 2021b) is the first report of a forthcoming series that sets out the impact of the pandemic crisis on the Single Market, identifies fourteen industrial ecosystems, analysing their different needs and challenges, and presents a set of key performance indicators (KPI's), to monitor the progress in both the implementation of the industrial strategy and EU's competitiveness. The second Annual Single Market Report (European Commission, 2022a) provides updates on the latest developments across industrial ecosystems, looking at the path to recovery and recent challenges in global supply chains.
- 2) The Strategic Dependencies and Capacities report, 2021 (European Commission, 2021c) offers an initial analysis of the EU's strategic dependencies and capacities, with an in-depth review for a number of technological and industrial strategic areas, for a better grasp of where Europe's strategic dependencies lie, how they may





develop in the future and the extent to which they could lead to vulnerabilities. The second stage of in-depth reviews (European Commission, 2022b) builds on the first stage analysis by deepening the assessments related to raw and processed materials. In particular, it looks at five areas – rare earths and magnesium, chemicals, solar panels, cybersecurity and IT software - where Europe faces strategic dependencies on third countries.

Acknowledging the richness of these analyses to set the stage for well-designed and future-proof policies, the purpose of the following sections is to transpose EU's methodology to the Portuguese case i) reproducing some of the proposed key performance indicators (KPI's) based on the same industrial ecosystem approach for a more granular view of the main trends characterizing specific parts of the Portuguese economy, and ii) performing a similar strategic dependencies analysis, to gain a country level perspective that improves the understanding of common versus specific risks for the Portuguese economy vis-à-vis EU's economy.

In the next section, we reproduce the proposed key performance indicators for industrial ecosystems in Portugal to provide a comprehensive view of their size, performance, strength and international dimension, using EU as a benchmark. In section 4, we present the methodology used by the EU to identify strategic dependencies, transpose it to the Portuguese case, and present the results comparing to those of the EU.





# 3. Strategic Industrial Ecosystems analysis

The May 2021 update of the industrial strategy puts the industrial ecosystems at the heart of the COVID-19 recovery and transformation process. It builds on the flexible ecosystem-based approach outlined in the industry strategy presented in March 2020 as a lens to look at Europe's economy.

European Commission (2021a)

The Council Conclusions on "A recovery advancing the transition towards a more dynamic, resilient and competitive European industry", adopted on 16 November 2020, "calls on the Commission to define key performance indicators for monitoring the industrial strategy and competitiveness". The conclusions also call "for the objectives of the EU's industrial policy to be reflected in sound indicators, in particular concerning industrial competitiveness (...) and the Union's resilience and strategic autonomy while preserving an open economy" (European Council, 2020b).

To address this request, the EC has proposed the analytical approach to assess EU's industry economic profile, weight its vulnerabilities and capacities and track progress in the implementation of the strategy.

In particular, the Annual Single Market Report (European Commission, 2021b, 2022a) presents a set of key performance indicators (KPIs), based on publicly accessible data sources, such as national accounts, Structural Business Statistics and Short-term business statistics, to report in a synthetic manner on the different goals identified as priorities for the European industrial policy, in particular concerning industrial competitiveness. Regular reporting based on reliable data sources, can help to adopt a strategic position on the EU economy, predict challenges and inform policy and investment decisions to provide timely policy responses.

The list of KPIs covered in the single market report is not stabilised. Instead, it is expected to evolve as new data becomes available or policy priorities evolve.

One important aspect to underline in the methodology of the Annual Single Market Report, is that the set of KPIs are designed to monitor economic activities beyond the narrow definition of industry, through the lens of industrial ecosystems, to incorporate the systemic importance of all the horizontal and vertical links among economic actors. To that purpose, a total of fourteen industrial ecosystems spanning across the EU have been identified, based on their economic and technological relevance, and their expected contribution to the decarbonisation, digitalisation, and resilience of the EU economy, as illustrated in Figure 3.







Figure 3 - Industrial Ecosystems

Source: Image reproduced from European Commission

Each Industrial Ecosystem considered in the Single Market Report was defined at the 2-digit level of NACE rev.2 classification to match existing data sources information. However, given the horizontal nature of certain activities, some 2-digit sectors are attributed to more than one ecosystem according to a set of weights that have been calculated by the EC staff based on more granular datasets when available or based on existing studies. Annex I a) and b) summarize the set of weights used in the definition of each industrial ecosystem <sup>4</sup>

Following the same methodology, this article offers the economic profile of each Industrial Ecosystem in Portugal, using EU as a benchmark to gain comparative insights in terms of size, performance, strength, and international dimension.

Given that the level of granularity is not optimal for a precise definition of the industrial ecosystems, the indicators that are presented below should be interpreted with caution.

<sup>4</sup> Please see the Single Market Report 2021 and 2022 for a more detailed explanation on the methodology followed by the EC staff.

8





Additionally, due to data availability, most of the indicators presented below do not capture the COVID-19 crisis period <sup>5</sup>.

# Headline indicators: the size and performance of ecosystems

The 14 industrial ecosystems, as defined in the EC Annual Single Market Report, account for about 80% of GVA and employment of the EU business economy<sup>6</sup>. In Portugal its representativeness is similar in terms of GVA (82%), but higher in terms of employment (98%)<sup>7</sup> (Figure 4). Portugal's specialization pattern is broadly similar to that of the EU. Retail, Construction and Health are the largest ecosystems both in terms of value-added and employment. However, as compared to the EU, the Tourism ecosystem in Portugal stands out with a stronger contribution to the economy and employment.

All ecosystems have grown in gross value added between 2015 and 2019, both in the EU and in Portugal (Figure 5). Digital, Construction and Tourism ecosystems exhibited the largest growth rates in the EU, whereas in Portugal the strongest growth rates were recorded in the Tourism, Digital and Construction ecosystems. Looking at employment dynamics, the Digital, Tourism and Mobility-Transport-Automotive ecosystems show the largest increase, both in the EU and in Portugal, while Textiles and Agri-food have marginally reduced total employment between 2015 and 2019. In Portugal, the Agri-food ecosystem has recorded the largest increase in productivity (+29%), signalling a possible modernisation of the sector. The renewable energy and retail ecosystems exhibited productivity losses (-7.7% and -1.8%, respectively).

The number of firms varies significantly across ecosystems, signalling differences not only of size, but also of market structure. Retail accounts for the largest number of companies and it is also the most labour-intensive in the EU. In Portugal, Tourism presents the highest concentration of firms and refers to the second most labour-intensive ecosystem, after the Retail ecosystem (Figure 6).

<sup>&</sup>lt;sup>5</sup> The information for Portugal is already available, however the asset of the present work is the comparison with the EU profile, which in turn is not yet been made available by the EC.

<sup>&</sup>lt;sup>6</sup> In the document, business economy is defined as total economy excluding financial services and public administration. While both financial services and public administration are clearly of great importance for the functioning of all industrial ecosystems, given their special nature, their inclusion in the calculation of the indicators would make some results more difficult to interpret.

<sup>7</sup> Since the shares computed based on employment data were not made available in the report, we assumed the same shares for both value-added and employment.

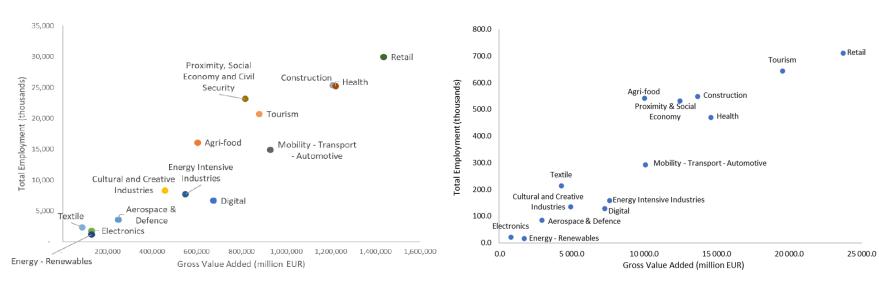




Figure 4 - Gross value added and employment by industrial ecosystem, 2019

# a) European Union

# b) Portugal

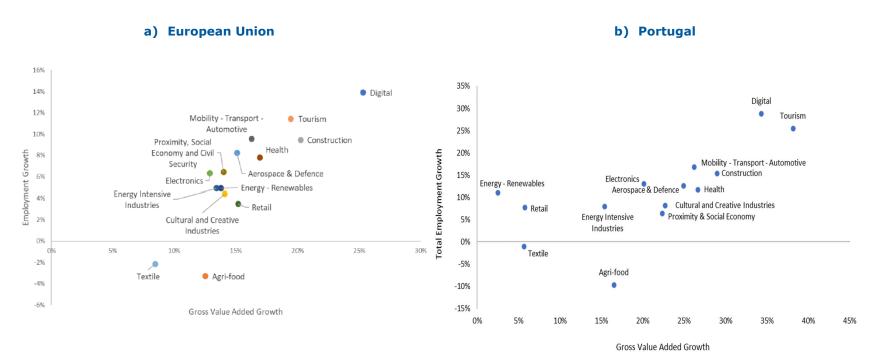


Source: Image reproduced from European Commission (2022a); Source: Own elaboration based on Statistics Portugal, national European Commission analysis based on Eurostat, national accounts accounts data. data.





Figure 5 - Change in Value Added and Employment, 2015-2019

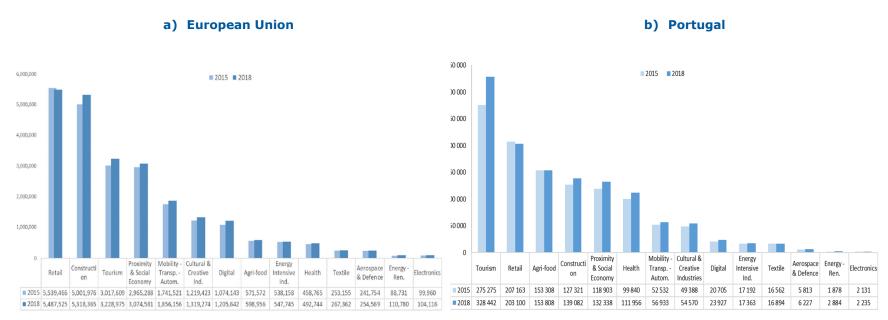


Source: Image reproduced from European Commission (2022a); European Commission analysis based on Eurostat, national accounts data. Source: Own elaboration based on Statistics Portugal, national accounts data.





Figure 6 - Number of Firms, 2015-2018



Source: Image reproduced from European Commission (2022a); Source: Own elab European Commission analysis based on Eurostat Structural Business Business Statistics. Statistics

Source: Own elaboration based on Statistics Portugal, Structural Business Statistics.





# Strength of the ecosystems: Value added to production value

The share of value added to the value of production is a measure of the strength of the ecosystems, as it measures their capacity to generate value added using the intermediate inputs available. In the EU, Retail and Digital are the best performing among the ecosystems for which data is available (Figure 7). In Portugal, Proximity Activities and Social Economy display the highest capacity to generate GVA from intermediate inputs, whereas Energy-Intensive Industries exhibits the lowest robustness.

## International dimension: Trade

All ecosystems rely more on intra EU trade than on extra EU trade, both in the EU and in Portugal (Figure 8). The changes since 2015 across ecosystems are relatively small.

The fourteen industrial ecosystems differ significantly in their export intensity<sup>8</sup>, measured by the share of exports to value-added, remaining relatively stable between 2015 and 2019, both in the EU and in Portugal (Figure 9). Textile is a notable exception in the EU, with an increase of 16.1% (0.4% in Portugal). In the case of Portugal, Electronics is the best performing among the ecosystems, with an increase of 19% (2.7 in the EU), followed by the Aerospace & Defence ecosystem (6.7% as compared to 1,3% in the EU).

In the same period, Tourism, Cultural & Creative Industries and Renewable Energies, experienced a decrease in its export intensity<sup>9</sup> (-37.8%, -32.4% and -29.3% respectively).

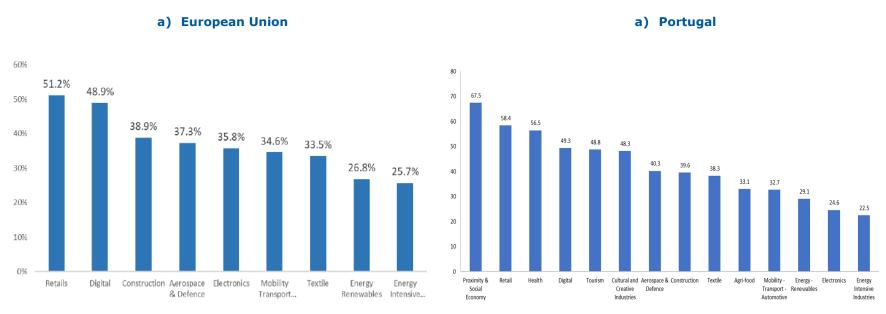
<sup>&</sup>lt;sup>8</sup> Given the profoundly different nature of the ecosystems analysed here, this divergence should not be interpreted as a signal of dismal performance by some of them. Indeed, export of goods is clearly not a core activity for ecosystems as Proximity, Social Economy and Civil Security, or for a service ecosystem as Retail

<sup>&</sup>lt;sup>9</sup> The indicators should be interpreted with caution, since data used in the methodology refers to exports of goods, which, for example, partially explains tourism's performance.





Figure 7 - Ratio of value added to production value, 2019

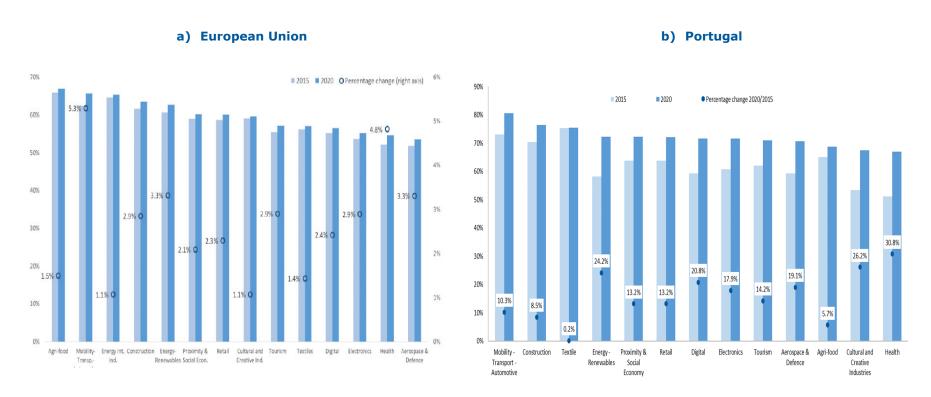


Source: Image reproduced from European Commission (2022a); European Commission analysis based on Eurostat, national accounts data and Structural Business Statistics. Source: Own elaboration based on Statistics Portugal, national accounts data.





Figure 8 - Intra EU Trade: share of total ecosystem trade, 2015-2020

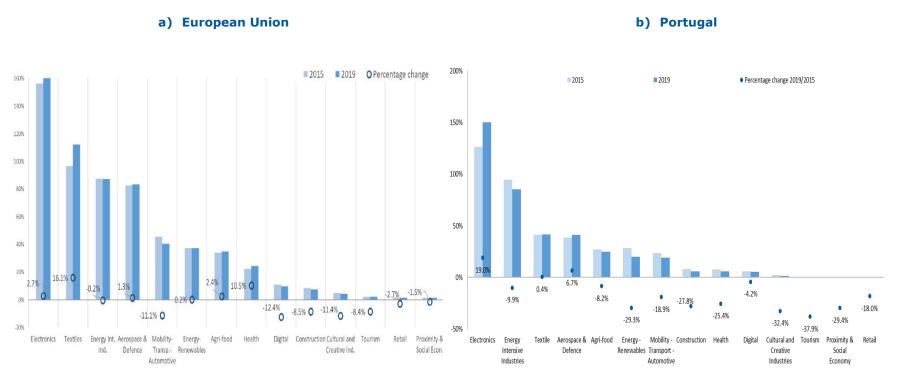


Source: Image reproduced from European Commission (2022a); European Commission analysis based on Eurostat EU Trade Statistics. Source: Own elaboration based on Statistics Portugal, International Trade Statistics.





Figure 9 - Export Intensity: extra EU exports as percentage of value added, 2015-2019



Source: Image reproduced from European Commission (2022a); European Commission analysis based on Eurostat, national accounts data and EU Trade Statistics Source: Own elaboration based on Statistics Portugal, national accounts data and International Trade Statistics.





The National Recovery and Resilience Plans (RRP) can work as an opportunity window for Member States to implement ambitious domestic reforms and investments that contribute to modernize their economies and deliver the objectives of EU's industrial strategy. In this context, Portugal has defined a flagship investment on its RRP - the **Mobilising agendas/Alliances for business innovation** covering 13 fields of action (Figure 10).

logistics 689 M€ Raw and other Health materials 238 M€ 236 M€ 537 M€ Agri-Food 234 M€ **Tourism** 151 M€ 151 M€ Energy 2 085 M€ 168 M€ 136 M€

Figure 10 - Portugal's Mobilising agendas/Alliances for business innovation

Source: Own elaboration based on IAPMEI data.

These Agendas configure an industrial policy mission, aiming at structurally reorient the investment in Portugal to tradable sectors, through goods and services of added and differentiated value, based on disruptive technologies and/or processes, in line with the macrotrends (digitalisation, decarbonisation, deglobalisation).

The novelty of the policy and the diversity of stakeholders involved in the consortia creates challenges to its evaluation and requires both a systemic approach and accurate and timely information to support decision-making to create lasting policy results. It is important to avoid that public funding is a cause of distortions regarding resources allocation (i.e., by funding firms or sector less viable) or that it induces existing productivity disparities among firms (i.e., by funding frontier firms without improving the mechanisms for knowledge and technology diffusion, which allow bottom/less-efficient firms converge to the frontier).

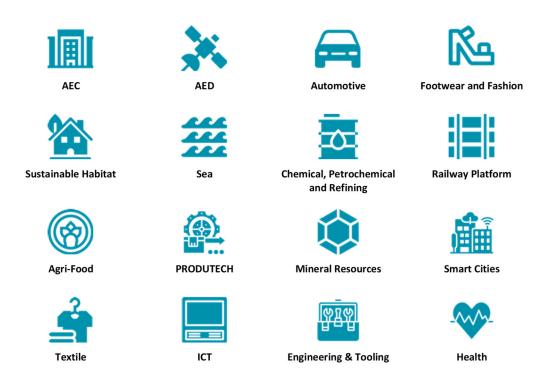
Other ongoing initiatives, aligned with the industrial ecosystems approach, can also be instrumental to empower the Portuguese industry. For example, The **Sectoral Pacts for Competitiveness and Internationalization**, which embody a set of initiatives in the domains of industrial digitization (I4.0), human resources qualifications, consolidation of





external attractiveness factors, internationalization, and R&D promotion, were designed to encourage circular economy initiatives among industrial clusters and support their energy transition towards sustainable energy systems. There are currently 16 signed Pacts  $^{10}$  involving the industrial clusters represented in Figure 11.

Figure 11 – Clusters with signed Sectoral Pacts for Competitiveness and Internationalization



Source: Author's translation reproducing the image from IAPMEI.

\_

<sup>&</sup>lt;sup>10</sup> There are two additional Clusters - the Tourism Cluster and the Vineyard and Wine Cluster - that have already been recognized but don't have yet any signed Pact.





# 4. Strategic dependencies analysis

"Resilience has become a new compass for EU policies with the COVID-19 crisis."

"Identifying and addressing the strategic dependencies is an essential step to increasing resilience."

European Commission (2020b, 2021b)

The COVID-19 pandemic has shaken the EU to the core. On the one hand, it has emphasised the EU's capacity to face adversity and proved that the Single Market's integration into global value chains is essential in turbulent and challenging times to absorb, adjust and recover from shocks. On the other hand, it has clearly exposed vulnerabilities related to the current supply chain model that need to be addressed.

At first it was the pandemic-related lockdowns that threatened economic systems, paralysing a large part of production, disrupting supply chains around the world and affecting the availability of essential, sometimes critical, products such as medical and medical-pharmaceutical supplies. Then as lockdowns eased, the strong surge in demand amplified supply chain disruptions worldwide, creating inflationary pressures and multiple supply-side bottlenecks. Addressing these vulnerabilities calls for the need to rethink and reconfigure global production networks, by diversifying supply chain partners and rebuild production capacity to reduce excessive dependencies on foreign sources, strengthen supply-chain resilience and enhance crisis preparedness. More recently, the Russian invasion of Ukraine has emphasized the need to accelerate this process, to mitigate additional supply chain geopolitical risks. The identification of these strategic dependencies is the first step to cope with these challenges and increase resilience.

The European Council, highlighting that "Achieving strategic autonomy while preserving an open economy is a key objective of the Union", invited the Commission to "identify strategic dependencies, particularly in the most sensitive industrial ecosystems such as for health, and to propose measures to reduce these dependencies, including by diversifying production and supply chains, ensuring strategic stockpiling, as well as fostering production and investment in Europe" (European Council, 2020a).

In response to the European Council request, the Commission has carried out a "bottomup analysis", based on trade data to map foreign dependencies, providing first insights on the scope of the issues at stake.

As described at the report on strategic dependencies and capacities (European Commission, 2021b, 2022b), "the bottom-up mapping of foreign dependencies relies on an agnostic, data-driven perspective with the objective of identifying products with extra EU dependency". It follows a step-by-step approach, starting with the identification of traded products where the EU is more dependent on third countries sources.





Borrowing from the EC methodology, this article performs the same bottom-up analysis to map Portugal's foreign dependencies, to understand the challenges at stake, where to build up critical capacities, untangle common versus country-specific dependencies, and design better policies to strengthen the competitiveness and resilience of the Portuguese economy in the context of the European Union.

The bottom-up approach starts with a list of all traded HS 6-digit level products and refines this broad list into a narrower selection according to the combination of three complementary filtering criteria, referred to as core dependency indicators (Figure 12), to measure the overall foreign dependency of each product.

ALL HS6 Products

3 Core Dependencies Indicators

List of dependencies on extra EU supplies

Concentration of EU imports from extra EU sources

Importance of extra EU imports in total demand

Figure 12 - Bottom-up analysis for mapping foreign dependencies

Source: Own elaboration based on European Commission (2021b, 2022b).

Broadly speaking, the methodology classifies products as highly foreign dependent if the levels of import diversification and potential substitutability with internal supply are low:

## 1) The concentration of suppliers from extra-EU sources:

The first indicator aims at quantifying the concentration of EU (Portugal's) imports with respect to the rest of the world, to capture the risk of disruptions faced by the EU (Portuguese) economy associated to low diversification of extra EU sources. In particular, this indicator identifies products for which EU (Portugal's) imports, in values, are highly concentrated in a few extra EU countries. To this end, the Herfindahl Hirschman Index (HHI) index is used, computed as detailed below:

$$CDI_1 = \sum_{i=1}^{n} (s_i^2) > 0.4$$





where  $s_i$  is the market share of the extra EU supplying country i in EU (Portugal's) imports, and n is the total number of extra EU supplying countries.

The indicator suggests that the higher the concentration, the lower the diversification of a country's imports from extra EU sources. Consequently, this threshold implies that the EU import value originates mainly from 2.5 foreign countries. It is important to acknowledge that the diversification of imports could be complemented with additional information on the trading partner in question, so as to assess the overall level of risk.

# 2) The relative importance of extra EU imports in total demand

The second indicator measures the importance of extra EU imports in total EU (Portugal's) imports, to identify the products for which EU (Portugal) mainly relies on foreign sources. It is computed as the share of extra EU imports in total EU (Portugal) imports (in values):

$$CDI_2 = \frac{extra EU import value}{total import value} > 0.5$$

The indicator suggests that the higher the share, the higher the importance of extra EU imports in total imports. Hence, this threshold implies that the value of extra EU imports accounts for the majority (> 50%) of the value of total EU (Portugal's) imports.

# 3) Substitutability of extra EU imports with EU production:

The third indicator aims at capturing whether the EU (Portuguese) production can cover the extra EU import needs in the event of trade disruptions. For this purpose, EU total exports, including intra and extra EU exports, are used as a proxy for the EU internal production capacity.38 For each product, the ratio between the extra EU import value and the total EU export value (i.e. extra and intra EU exports) is computed as detailed below:

$$CDI_3 = \frac{extra EU import value}{total export value} > 1$$

The indicator suggests that the higher the ratio, the less able the EU (Portugal) is to substitute extra EU imports with EU (Portuguese) production in case of a trade disruption. Therefore, this threshold implies that the value of extra EU imports is higher than the value of total EU (Portuguese) exports.





Relying on international trade does not necessarily lead to vulnerabilities per se. It's rather the concentration of supply in some of the identified products, that are potentially considered of strategic importance, and the risks they entail to the resilience and functioning of the EU's industrial ecosystems that renders a vulnerability for the EU.

In the case of the EU the bottom-up quantitative analysis was followed by a two-steps qualitative assessment to narrow down the identified dependencies to the most sensitive ecosystems (Figure 13), with a possible strategic nature, resulting in a vulnerability for the EU economy<sup>11</sup>, or that require further in-depth analysis to assess their impact and strategic nature.

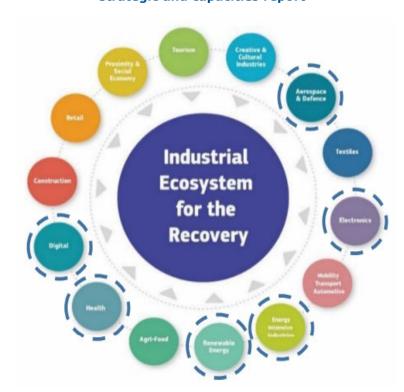


Figure 13 – More sensitive ecosystems for the purpose of the strategic and capacities report

Source: Image reproduced from European Commission (2021c, 2022b)

Note: Circles represent a selection of more sensitive ecosystems for the purpose of the staff working document

In the case of the EU, the combination of this quantitative and qualitative assessment, using 2019 trade flows, led to a list of 137 HS-6 products (from a total of 5200 products analysed) in the most sensitive ecosystems for which the EU is highly dependent on imports

<sup>11</sup> Only those dependencies that significantly affect the EU's core interests and limit the EU's freedom to analyse, make decisions and act according to its own priorities can be considered strategic.

22





from third countries. These pre-identified products represent about 6% of the EU's total import value of goods, represents 6% of the extra-EU import value of goods and refers mainly to chemicals and raw or processed metal products (Figure 14; Annex II).

In the case of Portugal, performing only the bottom-up (quantitative) analysis part of the methodology, led to a list of 159 HS-6 products, representing 7% of extra-EU import value of goods. The product mix is clearly different from the EU, essentially focusing on textiles, chemicals, and vegetable products (Figure 15; Annex III).

Even though the results are not exactly comparable, cross-referencing the two lists leads to a total of 10 HS-6 overlapping products, i.e., products for which Portugal is highly dependent on imports from third countries, that match EU's strategic dependencies. These "common dependencies" refer mostly to mineral and chemicals products (Figure 16; Table 1).



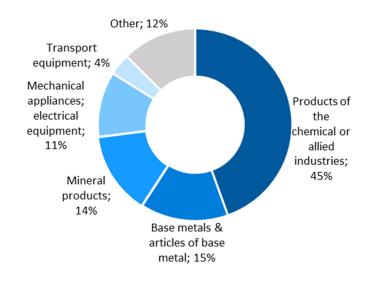


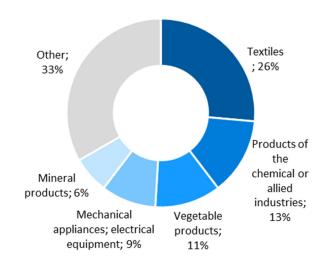
# **European Union**

Portugal [1]

Figure 14 - EU foreign strategic dependencies products (HS Sections), 2019

Figure 15 – Portugal's foreign dependencies products (HS Sections), 2019





Source: Own elaboration based on European Commission (2022b)

Source: Own elaboration, based on International Trade data from Statistics Portugal

[1] Quantitative analysis





# Portugal's foreign dependencies, that match EU's strategic dependencies 2019

Figure 16

Mechanical appliances; electrical equipment; 20%

Plastics & rubber articles; 20%

Products of the chemical or allied industries; 30%

Table 1

HS 6-Digit Code	HS Description
--------------------	----------------

## Mineral products

250620	Quartzite, merely cut, by sawing or otherwise, in blocks or slabs of a square or rectangular shape
250830	Fireclay (excl. kaolin and other kaolinic clays and expanded clay)
252930	Leucite, nepheline and nepheline syenite

### Products of the chemical or allied industries

284011	Anhydrous disodium tetraborate "refined borax"
293333	Alfentanil "INN", anileridine "INN", bezitramide "INN", bromazepam "INN", difenoxin "INN", diphenoxylate "INN", dipipanone "INN", fentanyl "INN", ketobemidone "INN", methylphenidate "INN", pentazocine "INN", pethidine "INN", pethidine "INN" pethidine "INN" pethidine "INN" intermediate A, phencyclidine "INN" "PCP", phenoperidine "INN", pirramide "INN", propiram "INN" and trimeperidine "INN", and salts thereof
293750	Prostaglandins, thromboxanes and leukotrienes, their derivatives and structural analogues, used primarily as hormones

#### Plastics & rubber articles

392071	Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely surface-worked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and ceiling coverings of heading 3918)
400260	Isoprene rubber "IR", in primary forms or in plates, sheets or strip

## Mechanical appliances; electrical equipment

841121	Turbopropellers of a power <= 1.100 kW
854040	Data/graphic display tubes, monochrome; data/graphic display tubes, colour, with a phosphor dot screen pitch of < 0,4 mm (excl. photo cathode tubes and cathode ray tubes)





Vulnerability may also be linked to specific partners due to political tensions and geopolitical uncertainty, posing important risks for the EU at an international level.

Over half of the EU strategic dependencies originate in China (52%), followed by Vietnam (11%) and Brazil (5%) (Figure 17).

In the case of Portugal, the three main foreign sources of the Portuguese import value for the 159 HS6 products identified are the USA (24%), Colombia (9%) and Uruguay (6%) (Figure 18).

Zooming in on the subset of "common dependencies" (Figure 19), reveals a more similar, but still distinct, country-of-origin mix, between EU average and Portugal. In the case of the EU (Figure 10a), the USA is the top supplier (24%), followed by Russian Federation (20%) and Canada (11%), whereas in the case of Portugal (Figure 10b), Russian Federation refers to the top supplier (32%), mainly related with the import of rubber articles, followed by Singapore (18%) and Canada (13%).

This highlights that even though the undeniable usefulness of this analysis, to acknowledge the challenges at stake, the EU average does not account for important disparities among its member countries. Bringing the analysis down to the country-level can lead to different conclusions, according to, for example, different economic dimensions, different specialization patterns, or different resource profiles.

Another important limitation that adds to the EU average dimension is that the identification of dependent products would ideally use more granular product information (for example at the 8 or 10-digit level of the Harmonised Standardisation (HS) system, instead of the 6-digit level that is used in the proposed methodology). This has to do with the fact that dependencies may dissolve when using upper-level codes. However, it would jeopardise international comparability, because at this level of disaggregation, comparable data sources across all countries in the world are not available, as for example extra-EU countries have their own coding system for the 8<sup>th</sup> and 10<sup>th</sup> digit of the HS.



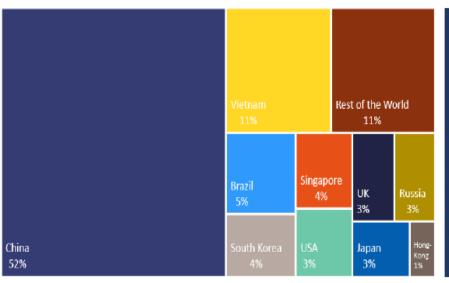


# **European Union**

Portugal [1]

Figure 17 - Share of EU imports value of dependent products, 2019







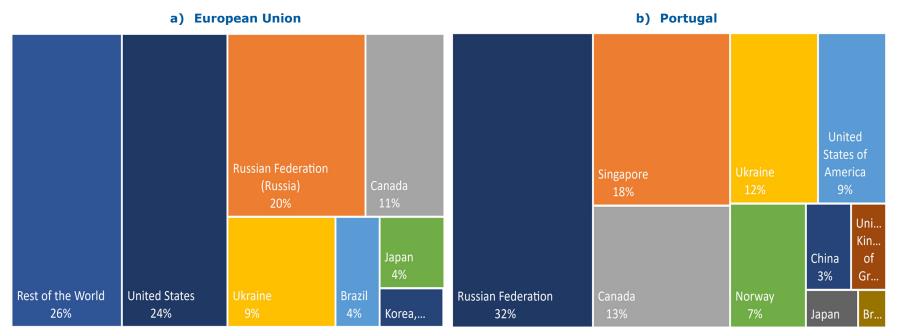
Source: Image reproduced from European Commission (2022b); European Commission based on BACI database Source: Own elaboration based on International Trade data from Statistics Portugal

[1] Quantitative analysis





Figure 19 - Share of "Common dependencies" import value of dependent products



Eurostat

Source: Own elaboration based on International Trade data from Source: Own elaboration based on International Trade data from Statistics Portugal

[1] Quantitative analysis





Aside from identification, monitoring foreign dependencies is also of key importance. First because firms adapt and undergo strategies to develop resilience to supply-side shocks on their own, such as diversifying import sources, if there are alternatives, substituting imports with domestic production, whenever possible, and stockpiling to ensure that supply chains can continue to operate. But also, because consumers preferences change, and firms have to adapt to these trends by innovating, reinventing their products, or adjusting their supply chain, to meet environmental and labour standards. This dynamic may lead to some turbulence in the set of foreign dependencies, both in terms of products and partner countries thus requiring regular updating to attend the changing nature of dependencies.

Subsequently, it is important to extend the present analysis on two related strands. The first one aims to capture changing or emerging trends in trade dependencies, and the second one tries to eliminate this implicit turbulence to focus on the "stable" dependencies only, as these are more permanent in nature and require different, more structural, solutions.

To capture changing or emerging trends in trade dependencies, we performed the same exercise for 2021 and compared it to the pre-pandemic year of 2019. In 2021, the Portuguese list of foreign dependencies grew to 176 HS6 products (Figure 20; Annex IV), by including additional vulnerabilities in what refers to, for example, mechanical appliances, electrical equipment, food and beverages and wood products. On the other hand, for example, the number of vegetables and mineral products, in the list has decrease. The country-of-origin mix of these products has also changed, with China ranking on top in 2021 (29%; +23 p.p. as compared to 2019), followed by the USA (16%; -9 p.p.) and Russian Federation (10%; +5 p.p.).

To eliminate this implicit turbulence, and focus only on the "stable" dependencies, we have performed the same bottom-up (quantitative) analysis for a three-year period ranging from 2019 to 2021, imposing the referred three core dependencies indicators and their respective thresholds in the three years simultaneously. We have reached a list of 55 products of "stable" dependencies for Portugal (Figure 22; Annex V), referring mainly to textiles, vegetable and chemical products. The country-of-origin of these "stable" dependencies are the USA (25%), Russia (11%) and Brazil (9%).

COVID-19 and Ukraine Invasion made particularly relevant the need to ensure a diverse supplier base. For example, China's stringent measures associated to the Zero-COVID-19 strategy and the war in Ukraine are both major sources of uncertainty , that have been causing persistent disruptions in industrial production, thus highlighting the risks associated to the concentration of supply sources.

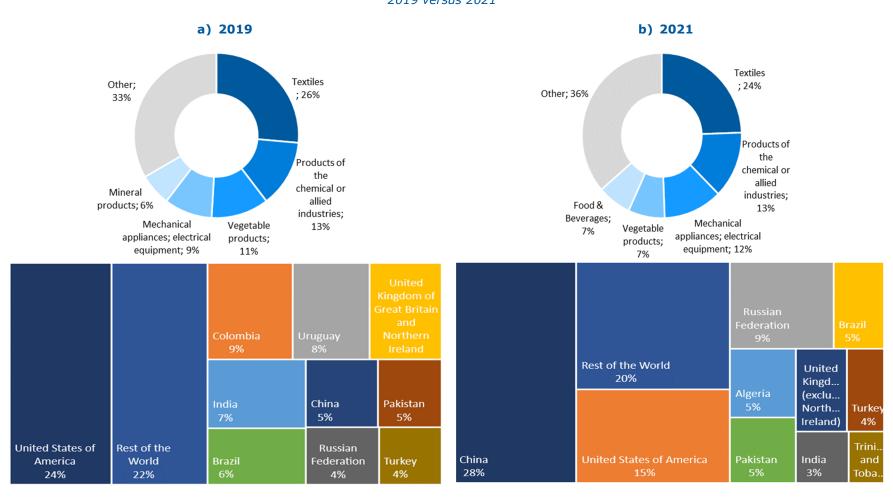
For Portugal, China and Russia together concentrated:

- 9% of Portugal's foreign dependencies in 2019 (55% in the case of EU)
- 37% of Portugal's foreign dependencies in 2021
- 18% of Portugal's "stable" foreign dependencies throughout 2019-2021





Figure 20 – Evolution of Portugal's foreign dependencies
2019 versus 2021

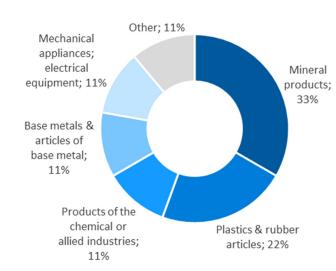






# 2021 Portugal's foreign dependencies, that match 2019 EU's strategic dependencies

Figure 21



HS 6-Digit Code HS Description
--------------------------------

Table 2

## Mineral products

250620	Quartzite, merely cut, by sawing or otherwise, in blocks or slabs of a square or rectangular shape
250830	Fireclay (excl. kaolin and other kaolinic clays and expanded clay)
252930	Leucite, nepheline and nepheline syenite

## Products of the chemical or allied industries

280470 Phosphorus

#### Plastics & rubber articles

392071	Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported similarly combined with other materials, without backing, unworked or merely surface-worked or merely c into squares or rectangles (excl. self-adhesive products, and floor, wall and ceiling coverings of heading 3918
400260	Isoprene rubber "IR", in primary forms or in plates, sheets or strip

#### Base metals & articles of base metal

720310 Ferrous products obtained by direct reduction of iron ore, in lumps, pellets or similar forms

### Mechanical appliances; electrical equipment

841121 Turbopropellers of a power <= 1.100 kW

#### Transport equipment

871491 Frames and forks, and parts thereof, for cycles, n.e.s. (excl. for motorcycles)



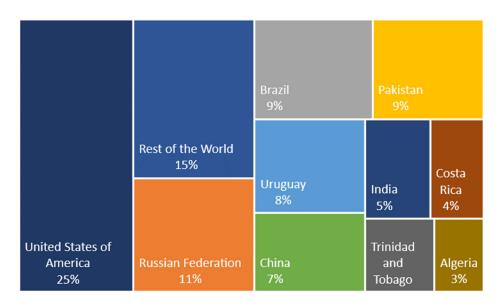


Figure 22 - Portugal's "stable" foreign dependencies 2019-2021

# a) Portugal's foreign dependencies products (HS Sections)

# Other; 18% Textiles ;29% Food & Beverages; 9% Live animals & animal Vegetable products; products; 9% Products of the 18% chemical or allied industries; 16%

# b) Share of Portugal's imports value of dependent products







Finally, it should be emphasized that acknowledging this heterogeneity among European Union's Member-States, over time, untangling short-term from more structural dependencies is of capital importance to build resilience from within, but it can also contribute to build up or reinforce internal strengths and production capacities in the EU, by scanning trade diversion opportunities for EU Members-States.

To this purpose, as a proxy for internal production capacity, we computed Portugal's trade balance for each of the 137 HS-6 products in the most sensitive ecosystems for which the EU is highly dependent on imports from third countries, to scan potential trade opportunities for the Portuguese economy, yielding a total of 9 products for which Portugal had a trade surplus (> 100 000 EUR), throughout the period 2019-2021 (Figure 23), thus potentially qualifying to supply the intra-EU-market as an alternative to non-European sources.



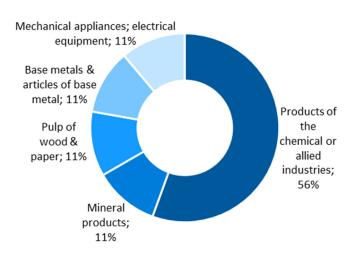


# 2019 EU's strategic dependencies where Portugal had a positive (> 100 000 EUR) net balance throughout the period 2019-2021

Figure 23

HS 6-Digit
Code
Description

Table 3



### Mineral products

261900 Slag, dross, scalings and other waste from the manufacture of iron or steel (excl. granulated slag)

#### Products of the chemical or allied industries

290110	Saturated acyclic hydrocarbons
292142	Aniline derivatives and their salts
293712	Insulin and its salts, used primarily as hormones
293722	Halogenated derivatives of corticosteroidal hormones
310390	Mineral or chemical phosphatic fertilisers (excl. superphosphates, those in pellet or similar forms, or in packages with a gross weight of $<=10 \text{ kg}$ )

#### Pulp of wood & paper

470329 Semi-bleached or bleached non-coniferous chemical wood pulp, soda or sulphate (excl. dissolving grades)

#### Base metals & articles of base metal

720280 Ferro-tungsten and ferro-silico-tungsten

### Mechanical appliances; electrical equipment

848020 Mould bases (other than of graphite or other carbon, ceramic meterials or glass)





#### 5. Final remarks

Globalisation is an important driver of efficiency gains, but it is also prone to significant challenges related to global value chains' dependence and disruptions due to exogenous risks. Over the years, the European Union has been faced with these challenges, with COVID-19 pandemics and the invasion o Ukraine re-igniting the debate around the pros and cons of a global production system, with the world economy undergoing a possible reconfiguration of value chains' geographies.

In a context of increased global competition and geopolitical instability, the EU is updating its industrial strategy to increase Europe's self-sufficiency in strategic sectors, boost its own industry and assert its economic power. The European Commission has put forward an analytical approach to build a better understanding of the needs and challenges faced by the EU economy in this process and shape the appropriate policy actions that will set the way to increase supply-chain resilience, improve crisis preparedness and deliver the objectives of the industrial strategy.

Acknowledging the richness of these assessments to set the stage for well-designed and future-proof policies, this article transposes EU's methodology to the Portuguese case on two specific data-driven analytical approaches – industrial ecosystems and strategic dependencies.

The first approach reproduces some of the proposed key performance indicators (KPI's) based on key **industrial ecosystems** to assess its economic profile for the Portuguese economy and uses EU as a benchmark to gain comparative insights in terms of size, performance, strength, and international dimension of each ecosystem. The results highlight that the Portuguese economy has a different specialization profile compared with the European economy, calling for different policy approaches in the implementation of the industrial strategy that properly reflects its specific needs, vulnerabilities, and challenges.

The second approach performs a **strategic dependencies** analysis, to map Portugal's foreign dependencies and gain a country level perspective that improves the understanding of common versus specific risks for the Portuguese economy vis-à-vis EU's economy. Building resilience has become a top priority in this new strategy, and as stated by the European Commission, "Identifying and addressing the strategic dependencies is an essential step to increasing resilience". Transposing European Commission's methodology to the Portuguese economy highlights that even though the undeniable usefulness of the analysis to acknowledge the challenges at stake, the EU average hides important disparities among its member countries. Bringing the analysis down to the country-level can lead to different conclusions, according to, for example, different economic dimensions, different specialization patterns, or different resource profiles. In this sense, it should also be implemented at the country-level, to enrich the debate on EU's foreign dependencies and deliver better policy actions across Europe. In addition, aside from identification, monitoring





foreign dependencies is also of key importance, and in this sense, it is important to extend the original analysis to capture changing or emerging trends in trade dependencies, but also to eliminate the implicit turbulence and focus on the "stable" dependencies only, as these are more permanent in nature and require different, more structural, solutions.

In conclusion, **providing the best framework conditions to empower EU's industry calls for the need to take heterogeneity into account**. Acknowledging the existing heterogeneity across industrial ecosystems and European Union's Member-States, over time, untangling short-term from more structural needs, challenges and dependencies is of capital importance to close the gap and build resilience from within. But it can also contribute to build up or reinforce internal strengths and production capacities in the EU, by allowing to scan trade diversion opportunities for EU Members-States. For example, among the 137 HS-6 products in the most sensitive ecosystems for which the EU is highly dependent on imports from third countries, Portugal had a trade surplus (> 100 000 EUR) in a total of nine products, throughout the period 2019-2021, thus potentially qualifying to supply the intra-EU-market as an alternative to non-European sources.





#### References

European Commission (2020a). "A New Industrial Strategy for Europe", COM (2020) 102 final.

European Commission (2020b). "Strategic Foresight Report, 2020" COM (2020) 493 final.

European Commission (2021a). "Updating the 2020 New Industrial Strategy: Building a stronger Single Market for Europe's recovery" COM (2021) 350 final.

European Commission (2021b). "Annual Single Market Report, 2021" SWD (2021) 351 final.

European Commission (2021c). "Strategic dependencies and capacities" SWD (2021) 352 final.

European Commission (2022a). "Annual Single Market Report, 2022" SWD (2022) 40 final.

European Commission (2022b). "EU strategic dependencies and capacities: second stage of in-depth reviews" SWD (2022) 41 final.

European Council (2020a). Conclusions of the European Council, 1 and 2 October 2020, EUCO 13/20.

European Council (2020b). Conclusions of the European Council, 16 November 2020, 13004/20.





#### **Annexes**

## Annex I

## Industrial Ecosystems definition

a)

erospace & Defence	C25 C26 C27 C30 C33 H51	Manufacture of fabricated metal products, except machinery and equipment  Manufacture of computer, electronic and optical products  Manufacture of electrical equipment  Manufacture of other transport equipment	0.01 0.4 0.2
erospace & Defence	C27 C30 C33	Manufacture of computer, electronic and optical products  Manufacture of electrical equipment	
erospace & Defence gri-food	C30 C33		0.2
erospace & Defence gri-food	C30 C33		
erospace & Defence erospace & Defence erospace & Defence erospace & Defence gri-food	C33		0.6
erospace & Defence erospace & Defence erospace & Defence erospace & Defence gri-food		Repair and installation of machinery and equipment	0.08
erospace & Defence erospace & Defence erospace & Defence gri-food			0.0
erospace & Defence erospace & Defence gri-food	H52	Air transport	0.0
erospace & Defence gri-food		Warehousing and support activities for transportation	
gri-food	J61	Telecommunications	0.0
	N80	Security and investigation activities	1
zri-food	A	Agriculture, forestry and fishing	1
	C10	Manufacture of food products	1
gri-food	C11	Manufacture of beverages	1
gri-food	C12	Manufacture of tobacco products	1
onstruction	C31	Manufacture of furniture	1
onstruction	F	Construction	1
onstruction	M71	Architectural and engineering activities; technical testing and analysis	1
onstruction	N81	Services to buildings and landscape activities	1
ultural and Creative Industries	C18	Printing and reproduction of recorded media	1
ultural and Creative Industries	C32	Other manufacturing	0.0
ultural and Creative Industries	G47	Retail trade, except of motor vehicles and motorcycles	0.0
ultural and Creative Industries	J58	Publishing activities	1
ultural and Creative Industries	J59	Motion picture, video and television programme production, sound recording and music publishing activities	1
ultural and Creative Industries	J60	Programming and broadcasting activities	1
ultural and Creative Industries	J62 63	Computer programming, consultancy and related activities	0.0
ultural and Creative Industries	J02_03 M71		0.1
		Architectural and engineering activities; technical testing and analysis	0.1
ultural and Creative Industries	M73	Advertising and market research	- 1
ultural and Creative Industries	M74	Other professional, scientific and technical activities and veterinary activities	0.4
ultural and Creative Industries	N77	Rental and leasing activities	0.00
ultural and Creative Industries	P85	Education	0.
ultural and Creative Industries	R90-R92	Creative, arts and entertainment activities; libraries, archives, museums and other cultural activities; gambling and betting activities	0.
ultural and Creative Industries	S94	Activities of membership organisations	0.0
ultural and Creative Industries	S95	Repair of computers and personal and household goods	0.1
igital	C26	Manufacture of computer, electronic and optical products	0.3
igital	J58	Publishing activities	1
gital	J61	Telecommunications	0.9
igital	J62	Computer programming, consultancy and related activities	1
igital	J63	Information service activities	
igital	S95	Repair of computers and personal and household goods	0.
ectronics	C26	Manufacture of computer, electronic and optical products	
			0.1
ectronics	C28	Manufacture of machinery and equipment n.e.c.	
nergy - Renewables	C27	Manufacture of electrical equipment	0.3
nergy - Renewables	D35	Electricity, gas, steam and air conditioning supply	0.2
nergy Intensive Industries	C16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	1
nergy Intensive Industries	C17	Manufacture of paper and paper products	1
nergy Intensive Industries	C19	Manufacture of coke and refined petroleum products	1
nergy Intensive Industries	C20	Manufacture of chemicals and chemical products	-
nergy Intensive Industries	C22	Manufacture of rubber and plastic products	
nergy Intensive Industries	C23	Manufacture of other non-metallic mineral products	
nergy Intensive Industries	C24	Manufacture of basic metals	
ealth	C21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	
ealth	C32	Other manufacturing	
ealth	Q86	Human health activities	
ealth	Q87_Q88	Residential care activities and social work activities without accommodation	
obility - Transport - Automotive	C27	Manufacture of electrical equipment	0.
	C27	Manufacture of motor vehicles, trailers and semi-trailers	0.
obility - Transport - Automotive			
obility - Transport - Automotive	C30	Manufacture of other transport equipment	0.
obility - Transport - Automotive	G45	Wholesale and retail trade and repair of motor vehicles and motorcycles	
obility - Transport - Automotive	H49	Land transport and transport via pipelines	0.
obility - Transport - Automotive	H50	Water transport	0.
obility - Transport - Automotive	H52	Warehousing and support activities for transportation	0.
oximity & Social Economy	G47	Retail trade, except of motor vehicles and motorcycles	0.
roximity & Social Economy	1	Accommodation and food service activities	0.
		Real estate activities	0.
oximity & Social Economy			
oximity & Social Economy	N81	Services to buildings and landscape activities	0.
oximity & Social Economy	N82	Office administrative, office support and other business support activities	0.
oximity & Social Economy	Q87_Q88	Residential care activities and social work activities without accommodation	
oximity & Social Economy	\$95	Repair of computers and personal and household goods	
oximity & Social Economy	S96	Other personal service activities	
oximity & Social Economy	т	Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use	
tail	G46	Wholesale trade, except of motor vehicles and motorcycles	
tail	G46 G47		
		Retail trade, except of motor vehicles and motorcycles	
tail	H53	Postal and courier activities	
xtile	C13	Manufacture of textiles	
xtile	C14	Manufacture of wearing apparel	
extile	C15	Manufacture of leather and related products	
urism	H49	Land transport and transport via pipelines	0.
urism	H50	Water transport	0.
ourism	H51	Air transport	0.
purism	1	Accommodation and food service activities	
ourism	N79	Travel agency, tour operator and other reservation service and related activities	
ourism	N82	Office administrative, office support and other business support activities	
purism	R90-R92	Creative, arts and entertainment activities; libraries, archives, museums and other cultural activities; gambling and betting activities	0.

<sup>\*</sup> Shares shown in the table are computed based on value-added. Shares computed based on employment data are also used for EU data but not shown. For this reason, in the case of Portugal, we assume the same shares for both value-added and employment.

<sup>^</sup> Additional share on top of horizontal component





# b)

	C25	C28	C33	E36	E37-E39	M69_M70	M71	M72	N77_N78
Aerospace & Defence	6.74%	6.79%	7.76%	1.74%	2.74%	2.50%	3.37%	5.65%	2.71%
Agri-food	6.62%	7.82%	11.85%	12.18%	9.48%	7.72%	6.02%	7.21%	8.21%
Construction	30.52%	19.84%	15.54%	10.25%	13.67%	11.51%	25.68%	10.41%	12.92%
Cultural and Creative Industries	0.90%	1.26%	1.32%	2.47%	1.89%	2.77%	2.03%	2.72%	2.85%
Digital	2.09%	3.05%	3.29%	2.22%	2.78%	5.13%	4.42%	6.90%	5.17%
Electronics	1.96%	2.26%	1.53%	0.69%	1.02%	1.17%	1.46%	5.07%	1.30%
Energy - Renewables	1.56%	1.60%	1.64%	1.13%	1.43%	0.97%	1.17%	0.83%	0.85%
Energy Intensive Industries	3.63%	4.01%	4.74%	4.01%	8.62%	4.91%	3.68%	3.06%	3.13%
Health	5.16%	5.62%	6.86%	11.10%	8.53%	8.76%	7.61%	14.22%	10.00%
Mobility - Transport - Automotive	23.55%	27.76%	16.53%	5.82%	9.82%	8.62%	9.29%	13.00%	8.55%
Proximity, Social Economy and Civil Security	2.35%	3.00%	3.57%	7.65%	5.37%	5.72%	4.42%	4.65%	6.12%
Retail	4.42%	5.73%	6.47%	7.41%	7.76%	13.45%	8.00%	8.14%	12.69%
Textile	0.85%	1.00%	0.97%	1.29%	1.44%	1.15%	1.12%	1.15%	0.99%
Tourism	3.68%	5.01%	7.17%	10.46%	7.12%	6.76%	5.49%	4.85%	8.28%





## Annex II

# EU's Strategic Dependencies, 2019

H6-Digit Code (2012)	H6-Digit Code (2017)	HDescription
Base metals & a	articles of base r	metal
720219	720219	Ferro-alloys: ferro-manganese
720229	720229	Ferro-silicon
720280	720280	Ferro-tungsten and ferro-silico-tungsten
720293	720293	Ferro-niobium
720310	720310	Ferrous products: obtained by direct reduction
721891	721891	Steel, stainless: semi-finished products
741022	741022	Copper: foil
750110	750110	Nickel: nickel mattes
760320	760320	Aluminium: powders of lamellar structure, flakes
760410	760410	Aluminium: (not alloyed), bars, rods and profiles
810294	810294	Molybdenum: unwrought
810411	810411	Magnesium: unwrought
810430	810430	Magnesium: raspings, turnings and granules
810590 810730	810590 810730	Cobalt: articles Cadmium: waste and scrap
811020	811020	·
811100	811100	Antimony: waste and scrap  Manganese: articles thereof
811219	811219	Managanete director Beryllium and articles thereof
820420	820420	Tools, hand: interchangeable spanner sockets
830110	830110	Padlocks: metal, key combination or electrically operated
Footwears and		adicate. Hear, acy commission of electrically operated
650500	650500	Hats and other headgear: (COVID-19 related)
650691	650691	Headgear (COVID-19 Felated)
Mechanical app	oliances; electric	cal equipment
840721	840721	Engines: outboard motors for marine propulsion
840731	840731	Engines: reciprocating piston engines, used for the propulsion of vehicles
841121	841121	Turbo-propellers: power < 1100kW
847130	847130	Automatic data processing machines: portable
848020	848020	Mould bases
850133	850133	Electric motors and generators: DC, 75kW < output < 375kW
850511	850511	Magnets: permanent magnets of metal
850519	850519	Permanent magnets (other than of metal)
850750	850750	Electric accumulators: nickel-metal hydride
851712	851712	Telephones for cellular networks
852713	852713	Radio broadcast receivers: apparatus combined with sound recording or reproducing apparatus
852719 852792	852719 852792	Radio broadcast receivers operating without an external power source Radio-broadcast receivers combined with a clock
854040	854040	Nation details (Leaves Continue with a clock Tubes: data/graphic display tubes, monochrome
852851	852852	Monitors used in an automatic data processing system
Mineral produc		
250620	250620	Quartzite
250830	250830	Clays: fireclay, whether or not calcined
250860	250860	Clays: multite
252510	252510	Mica: crude and rifted
252530	252530	Mica: waste
252800	252800	Natural borates: natural boric acid
252910	252910	Feldspar
252921	252921	Fluorspar
252930	252930	Nepheline and nepheline syenite
260200	260200	Manganese ores and concentrates
261000	261000	Chromium ores and concentrates
261210	261210	Uranium ores and concentrates
261390	261390	Molybdenum ores and concentrates
261710 261900	261710	Antimony ores and concentrates Slag, dross: from the manufacture of iron or steel
261900	261900 270111	Siag, pross; from the manufacture of Iron or steel Coal
270111	270111	Loai Pitch coke
271129	271129	Prtoleum gases and other gaseous hydrocarbons
271311	271311	Petroleum coke
Miscellaneous r	nanufactured a	rticles
940179	940179	Seats: with metal frames, not upholstered
950450	950450	Video game consoles and machines
Plastics & rubbe	er articles	
391211	391211	Cellulose acetates
392071	392071	Plastics: plates, sheets, film, foil and strip (not self-adhesive), of regenerated cellulose
392620	392620	Plastics: gloves (COVID-19 related)
400260	400260	Rubber: synthetic, isoprene rubber (IR)
Precious or sem		
710210	710210	Diamonds
710590	710590	Precious and semi-precious stones, excluding diamonds





H6-Digit Code (2012)	H6-Digit Code (2017)	HDescription
	dical instrument	
901380	901380	Optical devices: including liquid crystal devices
910811	910811	Watch movements: complete and assembled, electrically operated
911019	911019	Watches: rough movements
Products of the	chemical or allie	d industries
280120	280120	Iodine
280130 280470	280130 280470	Fluorine: bromine Phosphorus
281990	281990	Chromium oxides and hydroxides
282520	282520	Lithium oxide and hydroxide
282570 283325	282570 283325	Molybdenum oxides and hydroxides Sulphates: of copper
283421	283421	Nitrates: of potassium
283510 283691	283510 283691	Phosphinates and phosphonates Uthium carbonate
284011	284011	Edition to Solities  Borates: (refined borax)
284019	284019	Borates
284180 284321	284180 284321	Tungstates (wolframates) Silver compounds: silver nitrates
284450	284450	Spent fuel elements of nuclear reactors
284510	284510 290110	Heavy, water (deuterium oxide)
290110 290242	290242	Acyclic hydrocarbons: saturated Cyclic hydrocarbons: msylene
290322	290322	Trichloroethylene
290372	290372 290373	Dichlorofisfuoroethane
290373 290379	290373	Dichlorofluoroethanes Halogenated derivatives of acyclic hydrocarbons
290629	290629	Alcohols: aromatic and derivatives
290891 290941	290891 290941	Dinoseb (ISO) and its salts Diethylene glycol, digol
290943	290943	Dieturjene (gyCu), uigui
291040	291040	Epoxides, epoxyal cohols, epoxyphenols and epoxyethers
291300 291431	291300 291431	Aldehydes Ketones: aromatic, phenylacetone
291711	291711	Acids: oxalic acid, its salts and esters
291713	291713	Acids: azelaic acid, sebacic acid, their salts and esters
292142 292221	292142 292221	Amine-function-compounds: aromatic monoamines and their derivatives Amino-naphthols and other amino-phenols
292231	292231	Amino-aldehydes, amino-ketones and amino-quinones: salts thereof
292243	292243	Amino-acids: anthranilic acid and its esters
292249 292423	292249 292423	Amino-acids, other than those containing more than one kind of oxygen function, their esters Cyclic amides and their derivatives: 2-acetamidobenzoic acid
292511	292511	Imides and their derivatives: saccharin and its salts
292630 292800	292630 292800	Fenproporex (INN) and its salts Organic derivatives of hydrazine or of hydroxylamine
293212	293212	Heterocyclic compounds: furfuraldehyde
293293	293293	Heterocyclic compounds: piperonal
293294 293332	293294 293332	Heterocyclic compounds: safrole Heterocyclic compounds: piperidine and its salts
293333	293333	Heterocyclic compounds: other than pyridine and its salts, other than piperidine and its salts
293352	293352	Heterocyclic compounds: malonylurea (barbituric acid) and its salts
293354 293627	293354 293627	Heterocyclic compounds: other derivatives of malonylurea (barbituric acid) and salts thereof Vitamins: vitamin C and its derivatives
293712	293712	Insulin and its salts
293722 293750	293722 293750	Halogenated derivatives of corticosteroidal hormones Prostaglandins, thromboxanes and leukotrienes, their derivatives and structural analogues
293943	293943	rioscaganiums, un'ombovame ani teudomenes, men derivauves and structurar anarogues. Alkaloids, vegetable cathine (INI)
294140	294140	Antibiotics: chloramphenicol and its derivatives
310390 310540	310390 310540	Fertilizers, mineral or chemical: phosphatic Fertilizers monoammonium phosphate and diammonium phosphate
370120	370120	Photographic plates and film: instant print film
370191	370191	Photographic plates and film: for colour photography (polychrome), in the flat
370241 381119	370241 381119	Photographic film: for colour photography (polychrome), in rolls Anti-knock preparations
382541	382541	Halogenated waste organic solvents
300340	300341 300342	Medicaments: containing alkaloids or their derivatives for therapeutic or prophylactic uses  Medicaments containing pseudoephedrine "INN" or its salts, not containing hormones, steroids used as hormones or antibiotics, not in measured doses or put up for retail sale
	300343	Medicaments containing norephedrine or its salts, not containing hormones, steroids used as hormones or antibiotics, not in measured doses or put up for retail sale
	300349	Medicaments containing alkaloids or derivatives thereof, not containing hormones, steroids used as hormones or antibiotics, not in measured doses or put up for retail sale (excl. containing
Pulp of wood &	paper	ephedrine, pseudoephedrine "INN", norephedrine or their salts)
470329 470610	470329 470610	Wood pulp: chemical wood pulp, soda or sulphate Pulo: cotton linters pulp
Textiles	470010	r ulp. cotton miters you'p
621010	621010	Garments: of felt or non-wovens (COVID-19 related)
630790	630790	Textiles: made up articles (COVID-19 related)
Transport equip		
871140 871491	871140 871491	Type of motorcycles (including mopeds) and cycles  Cycles: frames and forks
890120	890120	Cycles:rrames and forks Tankers
890520	890520	Floating or submersible drilling or production platforms
890590	890590	Vessels: light, fire-floats, floating cranes and other vessels





## Annex III

# Portugal's foreign dependencies, 2019

151139 Crution seed all and its fractions, whether or not refined, but not chemically modified (excl. crude)  500504 Sevenege  5105056 Cans., cockles and arishells, prepared or preserved (excl. smoked)  1707010 Can molasse resulting from the estraction or refining of sugar  1707010 Deer molasse resulting from the estraction or refining of sugar  1707010 Deer molasse resulting from the estraction or refining of sugar  1707010 Deer molasse resulting from the estraction or refining of sugar  1707010 Deer molasse resulting from the estraction or refining of sugar  1707010 Deer molasse resulting from the estraction or refining of sugar  1707010 Deer molasse resulting from the estraction or sugar annufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molasse resulting from the estraction of sugar manufacture  1707010 Deer molass		HS Description
Second	Live animals &	animal products
Second	030323	Frozen filania "Oreochromis son "
specific process of manufaction of Analas patients and solutions, inclinate, programmed and collection of the first processors and solutions, inclinate, programmed and collection of the first processors and solutions and collections and c		
transmittion. of facility Threemonethies, betroken, promption late, for ordina, scaphthalmake and Chanadas*  reportions*  Transmitters*  Tran	030462	Frozen fillets of catfish "Pangasius spp., Silurus spp., Clarias spp., Ictalurus spp."
the properties of the properti		
special production production and standard and care (sine, beath or in product, but not farther prepared  profusion production of the production of the production of the progrand  profusion of the production of the production of the production of the progrand  profusion of the production of the production of the production of the progrand  profusion of the production of the production of the production of the progrand  profusion of the production of the production of the production of the production of the progrand  profusion of the profusion of the production of		
Victorial Provinces	030559	Fish, dried, even salted but not smoked, n.e.s. (excl. fillets and offal)
protection protection of the prints "Agentican", which can be called a protection of the programs of control protection of the programs of control prints and the programs of control prints and the prin	030633	Crabs, whether in shell or not, live, fresh or chilled
Order Sende cars "Auriculan's ago", whole, out sinced before the proposed of proposed proposed proposed of proposed p	egetable prod	ducts
Display to Fired, Shelled pictors ones "City amus cigan", where the arm of stilling or soft till come of particular forms or the stilling or and tilling or		
Freit, calified, freiters of riest code and bales of prisoned pris		
Transition contains the procession of the proces		
Fresh or dire of principals  Fresh or directors  Fres		
Process of ordinary properties		
Personal Processing State	080540	Fresh or dried grapefruit
1000000000000000000000000000000000000	080720	
1.1012   Mailed, paerled, sinch, bibled or otherwise sowied and grain (perior, rolled, flashed, perited and flowy)  1.2013   Low cruck; acid: 1.2014	100710	Grain sorghum, for sowing
1901   More Starch 1902   General Composition, in shell perf. seed for rowing, rossed or otherwise cooked, 1903   Composition, in shell perf. seed for rowing, rossed or otherwise cooked, 1903   Composition, in shell perf. seed for rowing, rossed or otherwise cooked, 1903   Composition, in shell perf. seed for rowing, rossed or otherwise cooked, 1903   Composition, shell perf. seed or rowing, row	100830	Canary seed
1920    Controllow, in which [end. seed for sowing resided of the has an enterior of 21s and yielding a solid component of glacosinolates of 30 micromole/g <sup>*</sup>		Hulled, pearled, sliced, kibbled or otherwise worked oat grains (excl. rolled, flaked, pellets and flour)
12010   Low enticle and it appear calles seeds "yelding shaded in which has an enticle and content of 22s and yelding a self component of glocasinedation of 30 micromoleuly."  12012   Convoys (pers), child, child		
112124 City cory roos, fresh, chilled, freator of drod, whether or not ground 122125 Search 2018 112125 City control grown, reservis, pervision, balsiams and other natural of eleverisin (excl. grown Arabit) 112125 City control grown, reservis, pervision, balsiams and other natural of eleverisin (excl. grown Arabit) 112125 City control grown, reservis, grown reservis, balsiams and other natural of eleverisin (excl. grown Arabit) 112125 City control grown reserved from the critical control grown and the		
Licrostanzia  game, recline, josinama and other natural ofeoretino (sect. gam / rabin)		
Section   Commission   Commis		
For and oils*    Strict   Courte peal on all in Fractions, whether or not refined, but not chemically modified (excl. crude)   Strict   Courte peak of and its Fractions, whether or not refined, but not chemically modified (excl. crude)   Strict   Courte peak of and ath fractions, whether or not refined, but not chemically modified (excl. crude)   Strict   Courte peak of and ath halfs, prepared or preserved (excl. smokes)   170300		
15570	Fats and oils	
16056 Clams, cockles and arkshelis, prepared or preserved (excl. sincked) 16050 Clams, cockles and arkshelis, prepared or preserved (excl. sincked) 170300 Can molasses returning from the extraction or retining of sugar 170300 Electroniasses returning from the extraction or retining of sugar 170300 Electroniasses returning from the extraction or retining of sugar 1703000 Electroniasses returning from the extraction or retining of sugar 17030000000 Electroniasses returning from the extraction or retining of sugar 170300000000000000000000000000000000000	151110	Crude palm oil
10030 Care modesses resulting from the extraction or friening of sugar 100300 Deet modesses resulting from the extraction or friening of sugar 100300 Deet modesses resulting from the extraction or friening of sugar 100300 Deet modesses resulting from the extraction or friening of sugar 100300 Deet modesses resulting from the extraction or friening of sugar 100300 Deet modesses resulting from the extraction or friening of sugar 100300 Deet modesses resulting from the extraction or foreign of sugar 100300 Deet modes and sugar and su	151229	Cotton-seed oil and its fractions, whether or not refined, but not chemically modified (excl. crude)
170100 Cane molasses resulting from the extraction or refning of sugar 180110 Cocca paste (e.d. cidetted) 180110 Cocca pa	Food & Bevera	ges
1979   Sect molasses resulting from the extraction or refining of sugar		
180310 Cocce paste (ect. defated) 200310 Bet pulp, bags see and other waste of sugar manufacture 200310 Bet pulp, bags see and other waste of sugar manufacture 200310 Clicake and other solid residues, whether or not ground or in the form of pellets, resulting from the extraction of soya-bean oil 200310 Clicake and other solid residues, whether or not ground or in the form of pellets, resulting from the extraction of soya-bean oil 200310 Clicake and other solid residues, whether or not ground or in the form of pellets, resulting from the extraction of soya-bean oil 200310 Clicake and other solid residues, whether or not calcined 200310 Clicake and solid residues, whether or not calcined 200310 Clicake and solid residues and manufacture of the solid residues of the solid residues of the solid so		
200302 Beneficially and the second of the se		
23030 Beetpulp, bagasse and other was to a fugar manufacture 23030 Dicake and other work for further form of pellets, resulting from the extraction of soya-bean oil  23030 Dicake and other sold residues, whether or not ground or in the form of pellets, resulting from the extraction of soya-bean oil  23030 Dicake and other sold residues, whether or not ground or in the form of pellets, resulting from the extraction of soya-bean oil  23030 Dicake and other sold residues, whether or not glound or restangular shape 23030 Significant or sold residues of the distillation of high temperature coal tars; similar products in which the weight of the arematic constituents exceeds that of the non-aromatic constituents of subheading 2707.50, and crososte oils) 23030 Products of the chemical or dilited industries  230401 Products of the chemical or dilited industries  230510 Products of the chemical or dilited industries  230510 Products of the chemical or dilited industries  230510 Products and prevade of magnesium		
### State of the control recibility and provided in the form of pellets, resulting from the extraction of soya-bean oil  ### State and other solid recibility, without no rot ground or in the form of pellets, resulting from the extraction of soya-bean oil  ### State and other solid recibility, and expanded clay)  ### State of the control of the state of t		
Mineral products  Mineral products  Outstrict, received, vust by sawing or otherwise, in blocks or slabs of a square or rectangular shape 250610 Quartrict, received, vust by sawing or otherwise, in blocks or slabs of a square or rectangular shape 250700 Received of the standard of the		
### Additional products    250510		
250510   Outstife (end, partition region of the partition (also, whether or not calcined region (also, whether or not calcined region)		
25000 Cuartetic, merely cut, by awing or otherwise, in blocks or slabs of a square or rectangular shape 250700 Koll and other kalonic clays, whether or not aclicined 250810 Fireday (excl. kaolin and other kalonic clays and espanded clay) 250100 Natural calcium phosphates and natural aud unminium calcium phosphates, natural and phosphatic chalk, ground 250810 Organi, anniquite 250810 Organi, an		
25030 Asalin and other kaolinic clays, whether or not calcined [150830 Asalin and other kaolinic clays and expanded clay) [250830 Astural calcium phosphates and natural aluminium calcium phosphates, natural and phosphatic chalk, ground [250930 Astural calcium phosphates and natural aluminium calcium phosphates, natural and phosphatic chalk, ground [250930 Lecicine, nepheline and nepheline syenite [250930 Lecicine, nepheline and nepheline syenite [250930 Lecicine, nepheline and nepheline syenite [250930 Company and phosphate] [250930 Company and phospha		
Exercise   Vector, Isoolin and other kaolinic clays and expanded clay		
252010 Natural calclum phosphates and natural aluminium calclum phosphates, natural and phosphatic chalk, ground 252010 (System, anhydrice 252010 (		
252930 (Euclis, expellatine and nepheline syenite 270112 Bituminous coal, whether or not pulverised, non-agglomerated 270129 (Situminous coal, whether or not pulverised, non-agglomerated 2701790 (Situminous coal, whether or not pulverised, non-agglomerated 2701791 (Situminous coal, whether or not pulverised, non-agglomerated 2701791 (Situminous coal, whether or not pulverised, non-agglomerated 2701792 (Situminous coal, whether or not pulverised, non-agglomerated 2701792 (Propune, liquieffed 2701790 (Prop		
Stuminous coal, whether or not pulverised, non-agglomerated		
Us and other products of the distillation of high temperature coal tars; similar products in which the weight of the aromatic constituents (exc chemically defined compounds, benzol "benzene", violuo" Toluene", vylol "sylenes", naphthalene, aromatic hydrocarbon mixtures of subheading 2707.50, and cresoste oils)  Products of the chemical or eliled industries  Products of the chemical or eliled industries  Phosphoric acids, whether or not chemically defined  281610  Phosphoric acids, whether or not chemically defined  284011  Anhydrous disordim tetraboara "refined borax"  284011  Anhydrous disordim tetraboara "refined borax"  284590  Non-adioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide")  29511  29511  29512  29512  29512  29513  29513  29514  29515  29515  29515  29516  29516  29517	252930	Leucite, nepheline and nepheline syenite
### Products of the chemical or allied industries  ### Products of the chemical or allied industries in all chemical or all chemical or allied industries in allied industries in all chemical or allied industries, an al	270112	Bituminous coal, whether or not pulverised, non-agglomerated
Trainium coides Products of the chemical or allied industries  280920 Phosphoric acid; polyphosphoric acids, whether or not chemically defined Hydroide and percoided of magnesium  282300 Titanium coides 284011 Anydroud sand percoided of magnesium 282300 Titanium coides 284011 Anydroud sand percoided of magnesium 282301 Titanium coides 284012 Anydroud sand percoided of magnesium 282300 Titanium coides 284013 Anydroud sidodium tetraborate "refined borax" 284013 Anydroud sidodium tetraborate "refined borax" 284019 Non-radioactive is otopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") 280511 Cyclanic, cyclenic or cyclotepenic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols steries and insoltotis) 280513 Aromatic ethers and their halogenated, sulphonated, nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols ethers and their halogenated, sulphonated, nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols, dimethylcyclohe	270700	Oils and other products of the distillation of high temperature coal tars; similar products in which the weight of the aromatic constituents exceeds that of the non-aromatic constituents (exc
Products of the chemical or allied industries  2000   Phosphoric acid; polyphosphoric acids, whether or not chemically defined  2010   Phosphoric acid; polyphosphoric acids, whether or not chemically defined  2011   Phosphoric acid; polyphosphoric acids, whether or not chemically defined  2011   Phosphoric acid; polyphosphoric acids, whether or not chemically defined (excl. heavy water "deuterium oxide")  2011   Phosphoric disordine interval or acids of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide")  2015   Phosphoric or cycloterpenic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols sterols and inostols)  2010   Phosphoric and inostols)  2010   Phosphoric and inostols)  2011   Acids acids   Phosphoric acids   Phos		
Phosphoric acid; polyphosphoric acids, whether or not chemically defined 381610 Hydroxide and peroxide of magnesium 382300 Titanium oxides 384011 Anhydroxid sisodium tetraborate "refined borax" 384910 Anhydroxid sisodium tetraborate "refined borax" 384911 Anhydroxid sisodium tetraborate "refined borax" 384910 Anhydroxid sisodium tetraborate "refined borax" 384910 Anhydroxid sisodium tetraborate "refined borax" 384910 Anhydroxid sisodium tetraborate "refined borax" 384911 Methanol "methyl aicohol" 390011 Methanol "methyl aicohol" 390012 (Volinai, cycleine) or cycloterpenic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols sterols and inositols) 390030 Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols sterols and heir halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols, dimeth		
2810.0 Hydroxide and peroxide of magnesium 282000 Titalnum oxides 284011 Anhydroxid skodium terta borate "refined borax" 284590 Non-radioactive isotopes, inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") 290511 Methanol "methyl alcohol" 290511 Cyclanic, cyclenic or cyclotrepenic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols and isotopics) 29030 Aromatic ethers and their halogenated, sulphonated intracted derivatives 291229 Cyclic aldehydes, without other oxygem function (excl. benzaldehyde) 291430 Ketone-phenols and ketones with other oxygem function (excl. benzaldehyde) 291512 Acetic acid 391513 Giuconic acid, its salts and esters 291513 Separate chemically defined organo-phosphorous derivatives, n.e.s. 291614 Giuconic acid, its salts and esters 291751 Aphenzone "antipyrin" and its derivatives 291751 Aphenzone "antipyrin" and its derivatives 391814 Phenzone "antipyrin" and its derivatives 391815 Alfentanii "INN", anlieridine "INN", besitramide "INN", bromazepam "INN", difenoxin "INN", diphenoxylate "INN", pirritamide "INN", proiriam "INN", mentanyi "INN", pethidine "I	-	
284010 Anhydrous discodium tetraborate "refined borax" 284590 Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") 290511 Methanol "methyl alcohol" 290512 (Valnic, cyclenic or cyclotrepenic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanol sterols and inositols) 290639 Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols sterols and inositols) 29129 Cyclic aldehydes, without other oxygen function 291313 (Sectional Carlo) 291313 (Sectional Carlo) 291314 (Sectional Carlo) 291315 (Sectional Carlo) 291315 (Siuconic acid, its salts and esters 291311 (Phenazone "antipyrin" and its derivatives and structural properties of the preparation of the properties		
Anhydrous disodium tetraborate "refined boras"  284590 Non-radioactive isotopes; inorganic corganic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide")  290511 Methanol "methyl alcohol"  290612 Schalle, Cyclarie, cyclotexpenic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols sterols and inositols)  290930 Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives  291229 Cyclic aldehydes, without other oxygen function (excl. benzaldehyde)  291450 Ketone-phenols and ketones with other oxygen function  291512 Cyclic aldehydes, without other oxygen function  291513 Giuconic acid, its alts and esters  291515 Or-henylenedlamine, m-phenylenedlamine, p-phenylenedlamine or diaminotoluenes and their derivatives; salts thereof  291313 Separate chemically defined organo-phosphorous derivatives, n.e.s.  293311 Phenazone "antipyrin" and its derivatives  Alfentanii "INN", anlieridine "INN", beitramide "INN", bromazepam "INN", difenoxin "INN", diphenoxylate "INN", dipipanone "INN", fentanyl "INN", ketobenidone "INN", methylphenidate "INN  293333 Pentazocine "INN", pethidine "INN", pethidine "INN" intermediate A, phencyclidine "INN" "PCP", phenoperidine "INN", piritramide "INN", propiram "INN" and trimeperidine "INN", pethalione "INN", pethidine "INN		
Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide")  Whethanol "methy alcohol"  Cyclanic, cyclenic or cycloterpenic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols sterols and inositols)  Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives  Cyclic aldehydes, without other oxygen function (excl. benzaldehyde)  Ketone-phenols and ketones with other oxygen function  Acetic acid  Gluconic acid, its salts and esters  O-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof  Separate chemically defined organo-phosphorous derivatives, n.e.s.  Phenazone "antipyrin" and its derivatives  Affentanil "InN", anlieridine" "InN", bezitramide "InN", bromazepam "InN", dienoxin "InN", diphenoxylate "InN", dipipanone "InN", fentanyl "InN", ketobemidone "InN", methylphenidate "InN"  pentazocine "InN", pethidine "InN", pethidine "InN", bromazepam "InN", difenoxin "InN", "PCP", phenoperidine "InN", pipradol "InN", propriam "InN" and trimeperidine "InN", as alts thereof  Polypeptide hormones, protein hormones and glycoprotein hormones, their derivatives and structural analogues, used primarily as hormones  Diammonium hydrogenorthophosphate "diammonium phosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of <= 10 kg)  Wastes from chemical or allied industries, mainly containing organic constituents (excl. anti-freeze fluids)  Plates, sheets, film, foli and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or mere's surface-worked or merely cut into squares or rectangles (excl. those of poly"methyl methacrylate", self-adhesive products, and floor, wall and celling coverings of heading 3918)  Plates, sheets, film,		
### Actional "methyl alcohol"  ### Cyclanic, cyclorelic or cycloterpenic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols sterols and inositols)  ### Cyclanic devices, without other oxygen function (excl. benzaldehyde)  ### Action action and their halogenated, sulphonated, nitrated or nitrosated derivatives  ### Cyclic aldehydes, without other oxygen function  ### Action action  ### Acti		
Cyclanic, cyclenic or cyclotepenic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanols sterols and inositos)  29030 Aromatic ethers and their halogenated, sulphonated, intrated or nitrosated derivatives 291229 Cyclic aldehydes, without other oxygen function (excl. benzaldehyde)  Ketone-phenols and ketones with other oxygen function 291511 Acetic acid Gluconic acid, its salts and esters 0-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof Separate chemically defined organo-phosphorous derivatives, n.e.s. 293113 Pensanoe "antipyrin" and its derivatives Affentalli "InN", anlieridine "InN", bertuinde "InN", bromazepam "InN", difenoxin "InN", diphenoxylate "InN", dipipanone "InN", piptramide "InN", pentazocine "InN", pentiazocine "InN", pentiazocine "InN", pentiacocine "InN",		
sterols and inositols) 290330 Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives 291229 Cyclic aldehydes, without other oxygen function (excl. benzaldehyde) 291450 Ketone-phenols and ketones with other oxygen function 291511 Acetic acid 291816 Gluconic acid, its salts and esters 292151 Or-Phenylenediamine, m-phenylenediamine or diaminotoluenes and their derivatives; salts thereof 2931319 Separate chemically defined organo-phosphorous derivatives, n.e.s. 2933119 Phenazone "antipyrin" and its derivatives 2933131 Minimal Pinny", perivaled "INN", bromazepam "INN", difenoxin "INN", diphenoxylate "INN", dipipanone "INN", fentanyl "INN", ketobemidone "INN", methylphenidate "INN 293333 pentazocine "INN", pethidine "INN", bromazepam "INN", difenoxin "INN", diphenoxylate "INN", pirritramide "INN", propiram "INN" and trimeperidine "INN", as alts thereof 293719 Polypeptide hormones, protein hormones and glycoprotein hormones, their derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and stru		Cyclanic, cyclenic or cycloterpenic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (excl. menthol, cyclohexanol, methylcyclohexanols, dimethylcyclohexanol
291219 Cyclic aldehydes, without other oxygen function (excl. benzaldehyde) 291450 Ketone-phenois and ketones with other oxygen function 291511 Acetic acid 291816 Gluconic acid, its salts and esters 292151 O-Phenylenediamine, m-phenylenediamine or diaminotoluenes and their derivatives; salts thereof 2931319 Separate chemically defined organo-phosphorous derivatives, n.e.s. 293311 Phenazone "antipytrin" and its derivatives Alfentanii "INN", anlieridine "INN", bezitramide "INN", bromazepam "INN", difenoxin "INN", diphenoxylate "INN", dipipanone "INN", phenidate "INN", perpiram "INN" intermediate A, phencyclidine "INN" "PCP", phenoperidine "INN", pirritramide "INN", propiram "INN" and trimeperidine "INN", aslts thereof 293719 Polypeptide hormones, protein hormones and glycoprotein hormones, their derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (barnomine hybride hormones, protein hormones, and leukotrienes, their derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primar	230019	
291510 Ketone-phenols and ketones with other oxygen function 291511 Acetic acid 291816 Gluconic acid, its salts and esters 291515 o-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof 2921319 Separate chemically defined organo-phosphorous derivatives, n.e.s. 293311 Phenazone "antipyrin" and its derivatives Affentanii "InN", anlieridine "InN", betramide "InN", bromazepam "InN", difenoxin "InN", diphenoxylate "InN", dipipanone "InN", fentanyl "InN", ketobemidone "InN", methylphenidate "InN" 293333 pentazocine "InN", pethidine "InN", pethidine "InN" intermediate A, phencyclidine "InN" "PCP", phenoperidine "InN", pirradol "InN", propiram "InN" and trimeperidine "InN", as alts thereof 293719 Polypeptide hormones, protein hormones and glycoprotein hormones, their derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, and insulin and its salts) 293750 Prostaglandine, thromboxanes and leukotrienes, their derivatives and structural analogues, used primarily as hormones 293750 Diammonium hydrogenorthophosphate "diammonium phosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of <= 10 kg) 293750 Wastes from chemical or allied industries, mainly containing organic constituents (excl. anti-freeze fluids) 292063 Plates, sheets, film, foil and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely cut into squares or rectangles (excl. those of poly"methyl methacrylate", self-adhesive products, and floor, wall and celling coverings of heading 3918) 292063 Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely cut into squares or rectangles (excl. those of poly"methyl methacrylate", self-adhesive products, and floor, wall		
291512 Acetic acid 291816 Gluconic acid, its salts and esters 292151 o-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof 292151 Separate chemically defined organo-phosphorous derivatives, n.e.s. 293131 Phenazone "antipytin" and its derivatives Alfentaril "INN", anlieridine "INN", bezitramide "INN", bromazepam "INN", difenoxin "INN", diphenoxylate "INN", diphenoxylate "INN", diphenoxylate "INN", phenialer grant pentazocine "INN", pethidine" INN", pethidine "INN", pet		
291151 Gluconic acid, its salts and esters 292151 o-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof 292131 Phenazone "antipyrin" and its derivatives 293139 Phenazone "antipyrin" and its derivatives 293131 Phenazone "antipyrin" and its derivatives 293131 Phenazone "antipyrin" and its derivatives 293131 Phenazone "antipyrin" and its derivatives 293132 Alfentanii "InN", anlieridine "InN", betwamide "InN", bromazepam "InN", difenoxin "InN", diphenoxylate "InN", dipipanone "InN", pitramide "InN", perbidine "InN", pethidine "InN", pethi		
o-Phenylenediamine, m-phenylenediamine or diaminotoluenes and their derivatives; salts thereof 293139 Separate chemically defined organo-phosphorous derivatives, n.e.s. 293111 Phenazone "antipyrin" and its derivatives Alfentanii "INN", aniieridine "INN", bromazepam "INN", difenoxin "INN", diphenoxylate "INN", dipipanone "INN", fentanyl "INN", ketobemidone "INN", methylphenidate "INN" 293333 pentazocine "INN", pethidine "INN" intermediate A, phencyclidine "INN" PCP", phenoperidine "INN", piritramide "INN", propiram "INN" and trimeperidine "INN", as list thereof Polypeptide hormones, protein hormones and glycoprotein hormones, their derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones 293750 Prostaglandins, thromboxanes and leukotrienes, their derivatives and structural analogues, used primarily as hormones 293750 Diammonium hydrogenorthophosphate "diammonium phosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of <= 10 kg) 20120 Wattle extract 20120 Wattle extract 20120 Wattle extract 20230 Plates, sheets, film, foil and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel surface-worked or merely cut into squares or rectangles (excl. those of poly"methyl methacrylate", self-adhesive products, and floor, wall and celling coverings of heading 3918) 20201 Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel surface-worked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918) 20201 Plates, she		
Separate chemically defined organo-phosphorous derivatives, n.e.s.  Phenazone "antipyrin" and its derivatives  Alfentanil "INN", anileridine "INN", bezitramide "INN", bromazepam "INN", difenoxin "INN", diphenoxylate "INN", dipipanone "INN", fentanyi "INN", ketobemidone "INN", methylphenidate "INN pentazocine "INN", pentazocine "INN", peritamide "INN", bezitramide "INN", pentazocine "INN", p		
Phenazone "antipyrin" and its derivatives Affentani "NIN", anileridine "NIN", betiramide "NN", bromazepam "NN", difenoxin "NN", diphenoxylate "INN", dipipanone "INN", fentanyi "INN", ketobemidone "INN", methylphenidate "INN" pentiacine "INN", pethidine "INN", pethidine "INN", pethidine "INN" intermediate A, phencyclidine "INN" "PCP", phenoperidine "INN", pipradol "INN", piritamide "INN", propiram "INN" and trimeperidine "INN", as als thereof Polypeptide hormones, protein hormones and glycoprotein hormones, their derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, and insulin and its salts) Polypeptide hormones, protein hormones and glycoprotein hormones, their derivatives and structural analogues, used primarily as hormones prostalgalandins, thromboxanes and leukotrienes, their derivatives and structural analogues, used primarily as hormones Diammonium hydrogenorthophosphate "diammonium phosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of <= 10 kg) Wattle extract Wastes from chemical or allied industries, mainly containing organic constituents (excl. anti-freeze fluids)  Plates, sheets, film, foil and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel surface-worked or merely cut into squares or rectangles (excl. those of poly"methyl methacrylate", self-adhesive products, and floor, wall and celling coverings of heading 3918)  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel surface-worked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined wi		
Alfentanii "INN", anlierdine "INN", betirdamide "INN", bromazepam "INN", difenoxin "INN", diphenoxylate "INN", diphanone "INN", propriam "INN", methylphenidate "INN" perize pentazocine "INN", pethidine "INN", pethidine "INN" intermediate A, phencyclidine "INN" PCP", phenoperidine "INN", pirritamide "INN", propriam "INN" and trimeperidine "INN", and salts thereof  293719  293750  Polypeptide hormones, protein hormones and glycoprotein hormones, their derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones  293750  Prostaglandins, thromboxanes and leukotrienes, their derivatives and structural analogues, used primarily as hormones  293760  293760  293760  Prostaglandins, thromboxanes and leukotrienes, their derivatives and structural analogues, used primarily as hormones  293760  293760  293760  Prostaglandins, thromboxanes and leukotrienes, their derivatives and structural analogues, used primarily as hormones  293761  293760  293760  Prostaglandins, thromboxanes and leukotrienes, their derivatives and structural analogues, used primarily as hormones  293760  293760  293760  Prostaglandins, thromboxanes and leukotrienes, their derivatives and structural analogues, used primarily as hormones  293761  293760  293		
salts thereof Polypeptide hormones, protein hormones and glycoprotein hormones, their derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, and insulin and its salts) Prostaglandins, thromboxanes and leukotrienes, their derivatives and structural analogues, used primarily as hormones Diammonium hydrogenorthophosphate "diammonium phosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of <= 10 kg) Wattle extract Wastes from chemical or allied industries, mainly containing organic constituents (excl. anti-freeze fluids)  Plastics & rubber articles  Plates, sheets, film, foil and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel surface-worked or merely cut into squares or rectangles (excl. those of poly*methyl methacrylate*, self-adhesive products, and floor, wall and celling coverings of heading 3918)  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel surface-worked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel surface-worked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  1 sobutylene isoprene rubber "IR", in primary forms or in plates, sheets or strip  1 soprene rubber "IR", in primary forms or in plates, sheets or strip  2 soprene rubber "IR", in primary forms or in plates, sheets or strip		Alfentanii "INN", anileridine "INN", bezitramide "INN", bromazepam "INN", difenoxin "INN", diphenoxylate "INN", dipipanone "INN", fentanyl "INN", ketobemidone "INN", methylphenidate "INN"
analogues, and insulin and its salts) Prostaglanding, thromboxanes and leukotrienes, their derivatives and structural analogues, used primarily as hormones Diammonium hydrogenorthophosphate "diammonium phosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of < 10 kg) Wattle extract Wastes from chemical or allied industries, mainly containing organic constituents (excl. anti-freeze fluids)  Plastics & rubber articles  Plates, sheets, film, foil and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel surface-worked or merely cut into squares or rectangles (excl. those of poly"methyl methacrylate", self-adhesive products, and floor, wall and celling coverings of heading 3918)  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel surface-worked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel surface-worked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  1 sobutylene isoprene rubber "IR", in primary forms or in plates, sheets or strip  2 soprene rubber "IR", in primary forms or in plates, sheets or strip  3 soprene rubber "IR", in primary forms or in plates, sheets or strip  3 soprene rubber "IR", in primary forms or in plates, sheets or strip	270333	salts thereof
analogues, and insulin and its Saits)  Prostaglanding, thromboxanes and leukotrienes, their derivatives and structural analogues, used primarily as hormones  310530 Diammonium hydrogenorthophosphate "diammonium phosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of <= 10 kg)  Wattle extract  382561 Wastes from chemical or allied industries, mainly containing organic constituents (excl. anti-freeze fluids)  Plates, sheets, film, foil and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merels surface-worked or merely cut into squares or rectangles (excl. those of poly*methyl methacrylate", self-adhesive products, and floor, wall and celling coverings of heading 3918)  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merels surface-worked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merels surface-worked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  400211   Sobulylene isoprene rubber "IR", in primary forms or in plates, sheets or strip  400232   Halo-isobutene-isoprene rubber "IR", in primary forms or in plates, sheets or strip  400330   Reclaimed rubber in primary forms or in plates, sheets or strip  400340   Sobulylene isoprene rubber "Ir", in primary forms or in plates, sheets or strip	293719	Polypeptide hormones, protein frommers and glycoprotein hormones, their derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones (excl. somatropin, its derivatives and structural analogues, used primarily as hormones).
310530 Diammonium hydrogenorthophosphate "diammonium phosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of <= 10 kg) 320120 Wattle extract Wastes from chemical or allied industries, mainly containing organic constituents (excl. anti-freeze fluids)  Plastics & rubber articles  392063 Plates, sheets, film, foil and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely surface-worked or merely cut into squares or rectangles (excl. those of poly"methyl methacrylate", self-adhesive products, and floor, wall and celling coverings of heading 3918)  392071 Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  400231 Isobulylene isoprene rubber "IR", in primary forms or in plates, sheets or strip 400239 Halo-isobutene-isoprene rubber "IR", in primary forms or in plates, sheets or strip 400300 Reclaimed rubber in primary forms or in plates, sheets or strip 4003010 Reclaimed rubber in primary forms or in plates, sheets or strip		
301010 Wattle extract 382561 Wastes from chemical or allied industries, mainly containing organic constituents (excl. anti-freeze fluids)  Plastics & rubber articles  392063 Plates, sheets, film, foil and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely cut into squares or rectangles (excl. those of poly"methyl methacrylate", self-adhesive products, and floor, wall and celling coverings of heading 3918)  392071 Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely surface-worked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  400231 Isobutylene isoprene rubber "IR", in primary forms or in plates, sheets or strip 400260 Haloi-sobutene-isoprene rubber "IR", in primary forms or in plates, sheets or strip 100260 Isoprene rubber "III", in primary forms or in plates, sheets or strip 100270 Reclaimed rubber in primary forms or in plates, sheets or strip 100270 Reclaimed rubber in primary forms or in plates, sheets or strip 100270 Reclaimed rubber in primary forms or in plates, sheets or strip 100270 Reclaimed rubber in primary forms or in plates, sheets or strip 100270 Reclaimed rubber in primary forms or in plates, sheets or strip 100270 Reclaimed rubber in primary forms or in plates, sheets or strip 100270 Reclaimed rubber in primary forms or in plates, sheets or strip 100270 Reclaimed rubber in primary forms or in plates, sheets or strip 100270 Reclaimed rubber in primary forms or in plates, sheets or strip		
382561 Wastes from chemical or allied industries, mainly containing organic constituents (excl. anti-freeze fluids)  Plattiss & rubber articles  392063 Plates, sheets, film, foil and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel surface-worked or merely cut into squares or rectangles (excl. those of poly*methyl methacrylate*, self-adhesive products, and floor, wall and celling coverings of heading 3918)  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel surface-worked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  100231 Isobutylene isoprene rubber "IR", in primary forms or in plates, sheets or strip 100232 Halo-isobutene-isoprene rubber "IR", in primary forms or in plates, sheets or strip 100233 Reclaimed rubber in primary forms or in plates, sheets or strip 100234 Reclaimed rubber in primary forms or in plates, sheets or strip 100235 Reclaimed rubber in primary forms or in plates, sheets or strip 100236 Reclaimed rubber in primary forms or in plates, sheets or strip 100236 Reclaimed rubber in primary forms or in plates, sheets or strip 100237 Reclaimed rubber in primary forms or in plates, sheets or strip 100236 Reclaimed rubber in primary forms or in plates, sheets or strip 100237 Reclaimed rubber in primary forms or in plates, sheets or strip 100238 Reclaimed rubber in primary forms or in plates, sheets or strip 100238 Reclaimed rubber in primary forms or in plates, sheets or strip 100238 Reclaimed rubber in primary forms or in plates, sheets or strip 100239 Reclaimed rubber in primary forms or in plates, sheets or strip 100239 Reclaimed rubber in primary forms or in plates, sheets or strip 100239 Reclaimed rubber in primary forms or in plates, sheets or strip 100239 Recla		
Plates, sheets, film, foil and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely surface-worked or merely cut into squares or rectangles (excl. those of poly"methyl methacrylate", self-adhesive products, and floor, wall and celling coverings of heading 3918)  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely surface-worked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  400231 Isobutylene isoprene rubber "IR", in primary forms or in plates, sheets or strip  400230 Isobutylene isoprene rubber "IR" or "BilR", in primary forms or in plates, sheets or strip  400300 Reclaimed rubber in primary forms or in plates, sheets or strip  8calaimed rubber in primary forms or in plates, sheets or strip		
Plates, sheets, film, foil and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely cut into squares or rectangles (excl. those of poly*methyl methacrylate*, self-adhesive products, and floor, wall and celling coverings of heading 3918)  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  Isobutylene isoprene rubber "Isi", in primary forms or in plates, sheets or strip  Halo-isobutene-isoprene rubber "Cilik" or "Bilik", in primary forms or in plates, sheets or strip  Reclaimed rubber in primary forms or in plates, sheets or strip  Reclaimed rubber in primary forms or in plates, sheets or strip	Plastics & rubi	ner articles
Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely cut into squares or rectangles (excl. self-adhesive products, and floor, wall and celling coverings of heading 3918)  Isobutylene isoprene rubber "IIR", in primary forms or in plates, sheets or strip  Halo-isobutene-isoprene rubber "CIIR" or "BIIR", in primary forms or in plates, sheets or strip  Reclaimed rubber "In", in primary forms or in plates, sheets or strip  Reclaimed rubber in primary forms or in plates, sheets or strip	392063	Plates, sheets, film, foil and strip, of non-cellular unsaturated polyesters, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely surface-worked or merely cut into squares or rectangles (excl. those of poly"methyl methacrylate", self-adhesive products, and floor, wall and celling coverings of heading 3918)
400231 Isobutylene isoprene rubber "IR", in primary forms or in plates, sheets or strip 400239 Halo-isobutene-isoprene rubber "CIR", in primary forms or in plates, sheets or strip 400260 Isoprene rubber "IR", in primary forms or in plates, sheets or strip 400260 Reclaimed rubber in primary forms or in plates, sheets or strip 800300 Reclaimed rubber in primary forms or in plates, sheets or strip	392071	Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merel
400239 Halo-isobutene-isoprene rubber "CIIR" or "BIIR", in primary forms or in plates, sheets or strip 400260 Isoprene rubber "IR", in primary forms or in plates, sheets or strip 400300 Reclaimed rubber in primary forms or in plates, sheets or strip	400224	
400260 Isoprene rubber "IR", in primary forms or in plates, sheets or strip 400300 Reclaimed rubber in primary forms or in plates, sheets or strip		
400300 Reclaimed rubber in primary forms or in plates, sheets or strip		
	400260	





Code Hs Description	HS G-Digit Code HS Description
---------------------	--------------------------------

#### Leather products

410210 Raw skins of sheep or lambs, with wool on, fresh or salted, dried, limed, pickled or otherwise preserved (excl. those of Astrakhan, Caracul, Persian, Broadtail or similar lambs, or of Indian, Chinese, Mongolian or Tibetan lambs and tanned, parchment-dressed or further prepared)

#### Wood products

440122	Wood in chips or particles (excl. those of a kind used principally for dying or tanning purposes, and coniferous wood)
440728	Iroko, sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, of a thickness of > 6 mm
440793	Maple "Acer spp.", sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, of a thickness of > 6 mm
441919	Tableware and kitchenware, of bamboo (excl. chopsticks, bread boards, chopping boards and similar boards)

#### Pulp of wood & paper

480451	225 g/m² (excl. kraftliner, sack kraft paper and goods of heading 4802, 4803 or 4808)
480452	Kraft paper and paperboard, uncoated, in rolls of a width > 36 cm or in square or rectangular sheets with one side > 36 cm and the other side > 15 cm in the unfolded state, weighing >= 225 g/m², bleached uniformly in the mass, containing > 95% chemically processed wood fibre by weight in relation to the total fibre content (excl. kraftliner, sack kraft paper and goods of heading 4802, 4803 or 4808)

#### Tex

480451	Unbleached kraft paper and paperboard, uncoated, in rolls of a width > 36 cm or in square or rectangular sheets with one side > 36 cm and the other side > 15 cm in the unfolded state, weighing >= 225 g/m² (excl. kraftliner, sack kraft paper and goods of heading 4802, 4803 or 4808)
480452	Kraft paper and paperboard, uncoated, in rolls of a width > 36 cm or in square or rectangular sheets with one side > 36 cm and the other side > 15 cm in the unfolded state, weighing >= 225 g/m <sup>3</sup> , bleached uniformly in the mass, containing > 95% chemically processed wood fibre by weight in relation to the total fibre content (excl. kraftliner, sack kraft paper and goods of heading 4802, 4803 or 4808)
Textiles	UI 4000)
510129	Degreased wool, non-carbonised, neither carded nor combed (excl. shorn wool)
510620 520291	Carded wool yarn containing predominantly, but < 85% wool by weight (excl. that put up for retail sale) Garnetted stock of cotton
	Gainetee State of Journal of State of S
520513	Single cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 125 decitex to < 192,31 decitex "> MN 52 to MN 80" (excl. sewing thread and yarn put up for
520514	retail sale)
520515 520523	Single cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of < 125 decitex."> MN 80" (excl. sewing thread and yarn put up for retail sale) Single cotton yarn, of combed fibres, containing >= 85% cotton by weight and with a linear density of 192,31 decitex to < 232,56 decitex."> MN 43 to MN 52" (excl. sewing thread and yarn put up for
320323	retail sale)
520524	Single cotton yarn, of combed fibres, containing >= 85% cotton by weight and with a linear density of 125 decitex to < 192,31 decitex "> MN 52 to MN 80" (excl. sewing thread and yarn put up for retail sale)
520526	Single cotton yarn, of combed fibres, containing >= 85% cotton by weight and with a linear density of 106,38 decitex to < 125 decitex "> MN 80 to MN 94" (excl. sewing thread and yarn put up for retail sale)
520528	Single cotton yarn, of combed fibres, containing >= 85% cotton by weight and with a linear density of < 83,33 decitex "> MN 120" (excl. sewing thread and yarn put up for retail sale)
520532	Multiple "folded" or cabled cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 232,56 decitex to <714,29 decitex "> MN 14 to MN 43" per single yarn (excl. sewing thread and yarn put up for retail sale)
520533	Multiple "folded" or cabled cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 192,31 decitex to < 232,56 decitex "> MN 43 to MN 52" per single yarn (excl. sewing thread and yarn put up for retail sale)  Multiple "folded" or cabled cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 125 decitex to < 192,31 decitex "> MN 52 to MN 80" per single yarn (excl.
520534	woutpie tored or carectrociny rant, or incomment ones, containing >= 65% cotton by weight and with a finear density of 125 decrees to < 192,51 decrees > MM 32 to MM 30 per single yarn text.
520543	Multiple "folded" or cabled cotton yarn, of combed fibres, containing >= 85% cotton by weight and with a linear density of 192,31 decitex to < 232,56 decitex "> MN 43 to MN 52" per single yarn (excl. sewing thread and yarn put up for retail sale)
520544	Multiple "folded" or cabled cotton yarn, of combed fibres, containing >= 85% cotton by weight and with a linear density of 125 decitex to < 192,31 decitex "> MN 52 to MN 80" per single yarn (excl. sewing thread and yarn put up for retail sale)
520546	Multiple "folded" or cabled cotton yarn, of combed fibres, containing >= 85% cotton by weight and with a linear density of 106,38 decitex to < 125 decitex "> MN 80 to MN 94" per single yarn (excl.
	sewing thread and yarn put up for retail sale)
520613	Single cotton yarn containing predominantly, but < 85% cotton by weight, of uncombed fibres and with a linear density of 192,31 decitex to < 232,56 decitex "> MN 43 to MN 52" (excl. sewing thread and yarn put up for retail sale)
520621	saley annual up to Team saley Single cotton yarn containing predominantly, but < 85% cotton by weight, of combed fibres and with a linear density of >= 714,29 decitex "<= MN 14" (excl. sewing thread and yarn put up for retail sale)
520634	Multiple "folded" or cabled cotton yarn containing predominantly, but < 85% cotton by weight, of uncombed fibres and with a linear density of 125 decitex to < 192,31 decitex "> MN 52 to MN 80" per single yarn (excl. sewing thread and yarn put up for retail sale)
520644	Multiple "folded" or cabled cotton yarn containing predominantly, but < 85% cotton by weight, of combed fibres and with a linear density of 125 decitex to < 192,31 decitex "> MN 52 to MN 80" per single yarn (excl. sewing thread and yarn put up for retail sale)
520812	Plain woven fabrics of cotton, containing >= 85% cotton by weight and weighing > 100 g to 200 g/m², unbleached
520813	Woven fabrics of cotton, containing >= 85% cotton by weight and weighing <= 200 g/m², in three-thread or four-thread twill, incl. cross twill, unbleached
520819	Woven fabrics of cotton, containing >= 85% cotton by weight and weighing <= 200 g/m², unbleached (excl. those in three-thread or four-thread twill, incl. cross twill, and plain woven fabrics)
521019	Woven fabrics of cotton, containing predominantly, but < 85% cotton by weight, mixed principally or solely with man-made fibres and weighing <= 200 g/m², unbleached (excl. plain woven fabrics)
521021 530500	Plain woven fabrics of cotton, containing predominantly, but < 85% cotton by weight, mixed principally or solely with man-made fibres and weighing <= 200 g/m², bleached Coconut, abaca "Manila hemp or Musa textilis Nee", ramie, agave and other vegetable textile fibres, n.e.s., raw or processed, but not spun; tow, noils and waste of such fibres, incl. yarn waste and
	garnetted stock
530610 530720	Single flax yarn Multiple "folded" or cabled yarn of jute or of other textile bast fibres of heading 5303
530820	Hemo varin
540251	Filament yarn of nylon or other polyamides, incl. monofilament of < 67 decitex, single, with a twist of > 50 turns per metre (excl. sewing thread, yarn put up for retail sale, high-tenacity yarn or textured yarn)
540781	Woven fabrics of yarn containing predominantly, but < 85% synthetic filament by weight, incl. monofilament of >= 67 decitex and a maximum diameter of <= 1 mm, mixed principally or solely with cotton. unbleached or bleached
550290	Artificial filament tow, as specified in Note 1 to chapter 55 (excl. of acetate)
550992	Yarn containing predominantly, but < 85% synthetic staple fibres by weight, mixed principally or solely with cotton (excl. sewing thread, yarn put up for retail sale and yarn of polyester, acrylic or modacrylic staple fibres)
551311	Plain woven fabrics containing predominantly, but < 85% polyester staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², unbleached or bleached
551319	Woven fabrics containing predominantly, but < 85% synthetic staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², unbleached or bleached (excl. those of
	polyester staple fibres)
551341	Plain woven fabrics containing predominantly, but < 85% polyester staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², printed  Waven fabrics containing predominantly, but < 85% polyester staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², printed  Waven fabrics containing predominantly, but < 85% polyester staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², printed
551349	Woven fabrics containing predominantly, but < 85% synthetic staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², printed (excl. plain woven fabrics of polyester stable fibres)
580126	purpers stagre numes) Chenille fabrics, of cotton (excl. terry towelling and similar woven terry fabrics, tufted textile fabrics and narrow woven fabrics of heading 5806)
600522	Dyed cotton warp knit fabrics "incl. those made on galloon knitting machines", of a width of > 30 cm (excl. those containing by weight >= 5% of elastomeric yarn or rubber thread, and pile fabrics, incl. "long pile", looped pile fabrics, labels, badges and similar articles, and knitted or crocheted fabrics, impregnated, coated, covered or laminated)
600544	Printed warp knit fabrics of artificial fibres "incl. those made on galloon knitting machines", of a width of > 30 cm (excl. those containing by weight >= 5% of elastomeric yarn or rubber thread, and
611692	pile fabrics, incl. "long pile", looped pile fabrics, labels, badges and similar articles, and knitted or crocheted fabrics, impregnated, coated, covered or laminated) Gloves, mittens and mitts, of cotton, knitted or crocheted (excl. impregnated, coated or covered with plastics or rubber, and for babies)
620722	Men's or boys' nightshirts and pyjamas of man-made fibres (excl. knitted or crocheted, vests, singlets and underpants)





HS 6-Digit Code	HS Description
Footwears an	d gears
670300	Human hair, dressed, thinned, bleached or otherwise worked; wool, other animal hair or other textile materials, prepared for use in making wigs or the like (excl. natural plaits of human hair whether or not washed and degrees of his not otherwise worked).
670490	whether or not washed and degreased, but not otherwise processed) Wigs, false beards, eyebrows and eyelashes, switches and the like, of animal hair or textile materials (excl. synthetic textile materials)
Stone, cemen	c, ceramic, glass and their products
681320	Friction material and articles thereof, e.g. sheets, rolls, strips, segments, discs, washers and pads, for clutches and the like, not mounted, containing asbestos, whether or not combined with texti
700420	Sheets of glass, drawn or blown, coloured throughout the mass "body tinted" opacified, flashed or having an absorbent, reflecting or non-reflecting layer, but not otherwise worked
Precious or se	mi-precious stones & metals
711029	Palladium in semi-manufactured forms
Base metals &	articles of base metal
721069	Flat-rolled products of iron or non-alloy steel, of a width of >= 600 mm, hot-rolled or cold-rolled "cold-reduced", plated or coated with aluminium (excl. products plated or coated with aluminium zinc alloys)
721810	Steel, stainless, in ingots and other primary forms (excl. waste and scrap in ingot form, and products obtained by continuous casting)
760521	Wire of aluminium alloys, with a maximum cross-sectional dimension of > 7 mm (excl. stranded wire, cables, plaited bands and the like and other articles of heading 7614, and electrical insulated wires)
800200	Tin waste and scrap (excl. ash and residues from the manufacture of tin of heading 2620, and ingots and similar unwrought tin produced from melted tin waste and scrap of heading 8001)
830150 830610	Clasps and frames with clasps, incorporating locks, of base metal Bells, gongs and the like, non-electric, of base metal (excl. musical instruments)
Mechanical a	ppliances; electrical equipment
840682	Steam and other vapour turbines, of an output <= 40 MW (excl. those for marine propulsion)
841112 841121	Turbojets of a thrust > 25 kN
841121	Turbopropellers of a power <= 1.100 kW Turbopropellers of a power > 1.100 kW
841181	Gas turbines of a power > 5.000 kW (excl. turbojets and turbopropellers)
843710	Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables
846320	Thread rolling machines, for working metal
847510	Machines for assembling electric or electronic lamps, tubes or valves or flashbulbs, in glass envelopes
847751	Machinery for moulding or retreading pneumatic tyres or for moulding or otherwise forming inner tubes of rubber or plastics
850120	Universal AC-DC motors of an output > 37,5 W
851420	Furnaces and ovens functioning by induction or dielectric loss
852729	Radio-broadcast receivers not capable of operating without an external source of power, of a kind used in motor vehicles, not combined with sound recording or reproducing apparatus
853529 854040	Automatic circuit breakers for a voltage >= 72,5 kV  Data/graphic display tubes, nonochrome; data/graphic display tubes, colour, with a phosphor dot screen pitch of < 0,4 mm (excl. photo cathode tubes and cathode ray tubes)
854290	tologia pinic un piay turbe, initionicin une, usagig apinic unspiay turbes, coloui, with a pinospini dot scheen pictrion Qualitim (Exc.) pinoto canode turbe and canode lay turbes.  Parts of electronic integrated circuits, ness.
Transport equ	ipment
880100	Balloons and dirigibles; gliders, hang gliders and other non-powered aircraft
880230	Aeroplanes and other powered aircraft of an unladen weight > 2.000 kg but <= 15.000 kg (excl. helicopters and dirigibles)
880529	Ground flying trainers and parts thereof, n.e.s. (excl. air combat simulators and parts thereof)
Precision & m	edical instruments
900651	Cameras with a through-the-lens viewfinder [single lens reflex "SLR"] for roll film of a width of <= 35 mm (excl. instant print cameras and special camereas of subheading 9006.10 or 9006.30)
901420	Instruments and appliances for aeronautical or space navigation (excl. compasses and radio navigational equipment)
903082 911120	Instruments and apparatus for measuring or checking semiconductor wafers or devices
911120 911430	Cases for wrist-watches, pocket-watches and other watches of heading 9101 or 9102, of base metal, whether or not gold- or silver-plated Dials for clocks or watches
Miscellaneou	s manufactured articles
940110	Seats for aircraft
950612	Ski bindings
960190	Worked bone, tortoiseshell, horn, antlers, coral, mother-of-pearl and other animal carving material, and articles of these materials, n.e.s. (excl. ivory)





## Annex IV

# Portugal's foreign dependencies, 2021

HS 6-Digit Code	HS Description
Live animals &	animal products
010611	Live primates
030323	Frozen tilapia "Oreochromis spp."
030329	Frozen, Nile perch (Lates niloticus) and snakeheads (Channa spp.)
030367	Frozen Alaska pollack "Theragra chalcogramma"
030462	Frozen fillets of catfish "Pangasius spp., Silurus spp., Clarias spp., Ictalurus spp."
030475	Frozen fillets of Alaska pollack "Theragra chalcogramma"
030483	Frozen fillets of flat fish "Pleuronectidae, Bothidae, Cynoglossidae, Soleidae, Scophthalmidae and Citharidae"
030559	Fish, dried, even salted but not smoked, n.e.s. (excl. fillets and offal)
Vegetable pro	ducts
071231	Dried mushrooms of the genus "Agaricus", whole, cut, sliced, broken or in powder, but not further prepared
071360	Dried, shelled pigeon peas "Cajanus cajan", whether or not skinned or split
071410	Fresh, chilled, frozen or dried roots and tubers of manioc "cassava", whether or not sliced or in the form of pellets
071440	Taro "Colocasia spp.", fresh, chilled, frozen or dried, whether or not sliced or in the form of pellets
080430	Fresh or dried pineapples
080720	Fresh pawpaws "papayas"
100830	Canary seed
110814	Manioc starch
120242	Groundnuts, shelled, whether or not broken (excl. seed for sowing, roasted or otherwise cooked)
120590	High erucic rape or colza seeds "yielding a fixed oil which has an erucic acid content of >= 2% and yielding a solid component of glucosinolates of >= 30 micromoles/g", whether or not broken
121294	Chicory roots, fresh, chilled, frozen or dried, whether or not ground
130190	Lac; natural gums, resins, gum-resins, balsams and other natural oleoresins (excl. gum Arabic)
140110	Bamboos
150890	Groundnut oil and its fractions, whether or not refined (excl. chemically modified and crude)
Food & Bevero	ges
160553	Mussels, prepared or preserved (excl. smoked)
160556	Clams, cockies and arkshells, prepared or preserved (excl. smoked)
170390	Beet molasses resulting from the extraction or refining of sugar
180310	Cocoa paste (excl. defatted)
180400	Cocoa butter, fat and oil
190300	Tapioca and substitutes therefor prepared from starch, in the form of flakes, grains, pearls, siftings or similar forms
200591	Bamboo shoots, prepared or preserved otherwise than by vinegar or acetic acid (excl. frozen)
220830	Whiskies
220850	Gin and Geneva
230320	Beet-pulp, bagasse and other waste of sugar manufacture
230330	Brewing or distilling dregs and waste
240311	Water-pipe tobacco (excl. tobacco-free. See subheading note 1.)
Mineral produ	ds
250620	Quartzite, merely cut, by sawing or otherwise, in blocks or slabs of a square or rectangular shape
250830	Fireclay (excl. kaolin and other kaolinic clays and expanded clay)
252010	Gypsum; anhydrite
252930	Leucite, nepheline and nepheline syenite
270799	Oils and other products of the distillation of high temperature coal tars; similar products in which the weight of the aromatic constituents exceeds that of the non-aromatic constituents (excl
271112	chemically-defined compounds, benzol "benzene", toluol "toluene", xylol "xylenes", naphthalene, aromatic hydrocarbon mixtures of subheading 2707.50, and creosote oils) Propane, liquefied
Products of the	chemical or allied industries
280470	Phosphorus
280920	Phosphoric acid; polyphosphoric acids, whether or not chemically defined
281219	Chlorides and chloride oxides (excl. carbonyl dichloride "phosgen", phosphorus oxy-, tri- and pentachloride, sulphur monochloride, sulphur dichloride and thionyl chloride)
281410	Anhydrous amontia
281610	Anyyarosa aminora and peroxide of magnesium
282090	
282690	Manganese oxides (excl. manganese dioxide)
282690	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury)
282690 282741	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper
282690 282741 283620	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate
282690 282741 283620 283660	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminate and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate
282690 282741 283620 283660 284590	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Onteradioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide")
282690 282741 283620 283660 284590 290329	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene")
282690 282741 283620 283660 284590 290329 290511	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") Unsaturated chlorioatted derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene "perchloroethylene") Methanol "methyl alcohol"
282690 282741 283620 283660 284590 290329 290511 290559	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Bon-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", richloroethylene and tetrachloroethylene "perchloroethylene") Methanol "methyl alcohol" Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchlorvynol "INN")
282690 282741 283620 283660 284590 290329 290511 290559 290930	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminate and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") Unsaturated follorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene "perchloroethylene") Methanol "methyl alcohol" Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchloroynol "INN") Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives
282690 282741 283620 283660 284590 290329 290511 290559 290930 291219	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. winyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene "perchloroethylene") Methanol "methyl alcohol" Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchlorvynol "INN") Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde])
282690 282741 283620 283660 284590 290329 290511 290559 290930 291219 291816 292151	Manganese oxides (excl. manganese dioxide)  Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury)  Chloride oxides and chloride hydroxides of copper  Disodium carbonate  Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide")  Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene "perchloroethylene")  Methanol "methyl alcohol"  Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchlorvynol "INN")  Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives  Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde])  Gluconic acid, its salts and esters  O-Phenylenediamine, my-henylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof
282690 282741 283620 283660 284590 290329 290511 290559 290930 291219 291816	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") Unsaturated foliorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene" perchloroethylene") Methanol "methyl alcohol" Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. etholoryynol "INN") Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde]) Gluconic acid, its salts and esters  o-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof Aminorex "INN", brotzolam "INN", chotazolam "INN", dextromoramide "INN", haloxazolam "INN", ketazolam "INN", mesocarb "INN", oxazolam "INN", pemoline "INN" Phendimetrazine "INN" and sufentinii "InN", and sufe
282690 282741 283620 283660 284590 290329 290511 290559 290930 291219 291816 292151	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene "perchloroethylene") Methanol "methyl alcohol" Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchlorvynol "INN") Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde]) Gluconic acid, its salts and esters  o-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof Aminorex "INN", brotizolam "INN", clotazolam "INN", cloxazolam "INN", dextromoramide "INN", haloxazolam "INN", ketazolam "INN", mesocarb "INN", oxazolam "INN", pemoline "INN"
282690 282741 283620 283660 284590 290511 290559 290930 291219 291816 292151	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") Unsaturated foliorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene "perchloroethylene") Methanol "methyl alcohol" Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchlorvynol "INN") Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde]) Gluconic acid, its salts and esters  o-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof Aminorex "INN", brotzolam "INN", clotazepam "INN", cloxazolam "INN", dextromoramide "INN", haloxazolam "INN", ketazolam "INN", mesocarb "INN", oxazolam "INN", pemoline "INN" Phendimetrazine "INN" and sufentinii "INN", and salts thereof
282.690 282.741 283.620 283.660 284.590 2903.29 2905.11 2905.59 290930 2912.19 2918.16 292.151 293.491 3002.13 3105.30	Manganese oxides (excl. manganese dioxide)  Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury)  Chloride oxides and chloride hydroxides of copper  Disodium carbonate  Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide")  Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene "perchloroethylene")  Methanol "methyl alcohol"  Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchlorvynol "INN")  Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives  Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde])  Gluconic acid, its salts and esters  O-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof  Aminorex "INN", brotizolam "INN", clotiazepam "INN", cloxazolam "INN", dextromoramide "INN", haloxazolam "INN", hexazolam "INN", nesocarb "INN", oxazolam "INN", pemoline "INN"  Immunological products, unmixed, not put up in measured doses or in forms or packings for retail sale  Diammonium hydrogenorthophosphate" diammonium phosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of <=10 kg)  Mineral or chemical fertilisers containing the two fertilising elements nitrogen (excl. nitrate) and phosphorus but not nitrates (excl. ammonium dihydrogenorthophosphate "monoammonium
282690 282741 283620 283660 284590 290329 290511 290559 290930 291219 291816 292151 293491 300213 310530 310559	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. winyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene "perchloroethylene") Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchlorvynol "INN") Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde]) Gluconic acid, its salts and esters O-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof Aminorex "INN", brotizolam "INN", clotiazepam "INN", cloxazolam "INN", dextromoramide "INN", haloxazolam "INN", mesocarb "INN", oxazolam "INN", penoline "INN", phendimetrazine "INN", and suffetanil "INN", and salts thereof Immunological products, unmixed, not put up in measured doese or in forms or packings for retail sale Diamnonium hydrogenorthophosphate" diammonium phosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of <= 10 kg) Mineral or chemical fertilisers containing the two fertilising elements nitrogen (excl. intrate) and phosphorus but not nitrates (excl. ammonium dihydrogenorthophosphate "immonium phosphate" (excl. intrate) and phosphorus but not nitrates (excl. ammonium dihydrogenorthophosphate "monoammonium phosphate", diammonium hydrogenorthophosphate "diammonium phosphate" or in packages with a gross weight of <= 10 kg)
282690 282741 283620 283660 284590 290329 290511 290559 290930 291219 291816 292151 293491 300213 310530 310559 320120	Manganese oxides (excl. manganese dioxide)  Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury)  Chloride oxides and chloride hydroxides of copper  Disodium carbonate  Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide")  Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene "perchloroethylene")  Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchlorvynol "INN")  Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives  Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde])  Gluconic acid, its salts and esters  O-Phenylenediamine, myhenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof  Aminorex "INN", brotizolam "INN", clotiazepam "INN", cloxazolam "INN", dextromoramide "INN", haloxazolam "INN", mesocarb "INN", oxazolam "INN", phendimetrazine "INN", and suffentanil "INN", and salts thereof  Diamnonolium hydrogenorthophosphate" diammonium phosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of <= 10 kg)  Mineral or chemical fertilisers containing the two fertilising elements nitrogen (excl. nitrate) and phosphorus but not nitrates (excl. ammonium dihydrogenorthophosphate "diammonium phosphate" in tablets or similar forms, or in packages with a gross weight of <= 10 kg)  Wattle extract
282690 282741 283620 283660 284590 290329 290511 290559 290930 291219 291816 292151 293491 300213 310530 310559	Manganese oxides (excl. manganese dioxide)  Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury)  Chloride oxides and chloride hydroxides of copper  Disodium carbonate  Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide")  Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene" perchloroethylene")  Methanol "methyl alcohol"  Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchlorvynol "INN")  Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives  Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde])  Gluconic acid, its salts and esters  O-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof  Aminorex "INN", brotizolam "INN", clotiazepam "INN", clotazolam "INN", dextromoramide "INN", haloxazolam "INN", ketazolam "INN", mesocarb "INN", oxazolam "INN", pemoline "INN", phendimetrazine "INN", and sufentanil "INN", and salts thereof  Diammonolium hydrogenorthophosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of <= 10 kg)  Wattle extract  Per articles
282690 282741 283620 283660 284590 290329 290511 290559 290930 291219 291816 292151 293491 300213 310530 310559 320120	Manganese oxides (excl. manganese dioxide)  Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury)  Chloride oxides and chloride hydroxides of copper  Disodium carbonate  Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide")  Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene "perchloroethylene")  Methanol "methyl alcohol"  Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchloroyynol "INN")  Acyromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives  Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde])  Gluconic acid, its salts and esters  o-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof  Aminorex "INN", brotzolam "INN", clotazepam "INN", cloxazolam "INN", dextromoramide "INN", haloxazolam "INN", ketazolam "INN", mesocarb "INN", oxazolam "INN", pemoline "INN", pemoline "INN", haloxazolam "INN", haloxazolam "INN", nesocarb "INN", oxazolam "
282690 282741 283620 283660 284590 290329 290511 290559 290930 291219 291816 292151 293491 300213 310530 310559 320120  Plastics & rubia	Manganese oxides (excl. manganese dioxide)  Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury)  Chloride oxides and chloride hydroxides of copper  Disodium carbonate  Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide")  Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene" perchloroethylene")  Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchlorvynol "INN")  Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives  Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde])  Gluconic acid, its salts and esters  O-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof  Aminorex "INN", brotizolam "INN", clotiazepam "INN", clotazolam "INN", dextromoramide "INN", haloxazolam "INN", ketazolam "INN", mesocarb "INN", oxazolam "INN", pemoline "INN", phendimetrazine "INN" and suffential "INN", and sufferial "Inn", and suffer
282690 282741 283620 283660 290329 290511 290559 290930 291219 291816 292151 293491 300213 310530 310559 320120  Plastics & ruble 392071 400231	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene "perchloroethylene") Methanol "methyl alcohol" Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchloryynol "INN") Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde]) Gluconic acid, its salts and esters  o-Phenylenediamine, "phenylenediamine, "phenylenediamine or diaminotoluenes and their derivatives; salts thereof Aminorex "INN", brotizolam "INN", clotiazepam "INN", clotazolam "INN", dextromoramide "INN", haloxazolam "INN", ketazolam "INN", oxazolam "INN", phendimetrazine "INN", phenmetrazine "INN" and sufentanii "INN", and salts thereof Immunological products, unmixed, not put up in measured doses or in forms or packings for retail sale Diammonium hydrogenorthophosphate "diammonium phosphate" (excl. thatin tablets or similar forms, or in packages with a gross weight of <= 10 kg) Mineral or chemical fertilisers containing the two fertilising elements nitrogen (excl. nitrate) and phosphorus but not nitrates (excl. ammonium dihydrogenorthophosphate "diammonium phosphate" in tablets or similar forms, or in packages with a gross weight of <= 10 kg) Wattle extract  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely sur
282690 282741 283620 283660 284590 290329 290511 290559 290930 291219 291816 292151 293491 300213 310559 320120 Plastics & rubl 392071 400251	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene "perchloroethylene") Methanol "methyl alcoho!" Halogenated, sluphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchlorvynol "INN") Aromatic ethers and their halogenated, sluphonated, nitrated or nitrosated derivatives Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde]) Gluconic acid, its salts and esters o-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof Aminorex "INN", brotizolam "INN", clotiazepam "INN", cloxazolam "INN", dextromoramide "INN", haloxazolam "INN", hesocarb "INN", oxazolam "INN", pemoline "INN" phendimetrazine "INN" and suffential "INN", and sufferial "INN", and sufferi
282690 282741 283620 283660 290329 290511 290559 290930 291219 291816 292151 293491 300213 310530 310559 320120  Plastics & ruble 392071 400231	Manganese oxides (excl. manganese dioxide) Fluorosilicates, fluoroaluminates and other complex fluorine salts (excl. sodium hexafluoroaluminate "synthetic cryolite" and inorganic or organic compounds of mercury) Chloride oxides and chloride hydroxides of copper Disodium carbonate Barium carbonate Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide") Unsaturated chlorinated derivatives of acyclic hydrocarbons (excl. vinyl chloride "chloroethylene", trichloroethylene and tetrachloroethylene" perchloroethylene") Methanol "methyl alcohol" Halogenated, sulphonated, nitrated or nitrosated derivatives or acyclic alcohols (excl. ethchloryynol "INN") Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives Acyclic aldehydes, without other oxygen function (excl. methanal [formaldehyde] and ethanal [acetaldehyde]) Gluconic acid, its salts and esters  o-Phenylenediamine, "phenylenediamine, "phenylenediamine or diaminotoluenes and their derivatives; salts thereof Aminorex "INN", brotizolam "INN", clotiazepam "INN", cloxazolam "INN", dextromoramide "INN", haloxazolam "INN", ketazolam "INN", oxazolam "INN", phendimetrazine "INN", brotizolam "INN", and salts thereof Immunological products, unmixed, not put up in measured doses or in forms or packings for retail sale Diammonium hydrogenorthophosphate "diammonium phosphate" (excl. thatin tablets or similar forms, or in packages with a gross weight of <= 10 kg) Mineral or chemical fertilisers containing the two fertilising elements nitrogen (excl. nitrate) and phosphorus but not nitrates (excl. ammonium dihydrogenorthophosphate "diammonium phosphate" (excl. thatin tablets or similar forms, or in packages with a gross weight of <= 10 kg) Wattle extract  Plates, sheets, film, foil and strip, of non-cellular regenerated cellulose, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked or merely surface-worked o





HS 6-Digit Code	HS Description
Leather produ	
410530 420600	Skins of sheep or lambs, in the dry state "crust", without wool on, whether or not split (excl. further prepared and pre-tanned only) Articles of gut, goldbeater's skin, bladders or tendons (excl. silkworm gut, sterile catgut, other sterile surgical suture material and strings for musical instruments)
Wood product	5
440122 440410	Wood in chips or particles (excl. those of a kind used principally for dying or tanning purposes, and coniferous wood)  Hoopwood; split poles; piles, pickets and stakes of wood, pointed but not sawn lengthwise; wooden sticks, roughly trimmed but not turned, bent or otherwise worked, suitable for the manufacture of
440722	walking sticks, umbrellas, tool handles or the like; chipwood and the like, of coniferous wood (excl. hoopwood sawn lengthwise and carved or notched at the ends; brushmounts, lasts)  Virola, imbula and balsa, sawn or chipped lengthwise, sliced or peeled, of a thickness of > 6 mm, sanded, or end-jointed, whether or not planed
440728 440793	Iroko, Sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, of a thickness of > 6 mm  Maple "Acer spp.", sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, of a thickness of > 6 mm
440795	Maph "Frakings.ps," sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded end-jointed, of a thickness of > 6 mm
440922	Tropical wood, incl. strips and friezes for parquet flooring, not assembled, continuously shaped "tongued, grooved, rebated, chamfered, V-jointed beaded, moulded, rounded or the like" along any of its edges, ends or faces, whether or not planed, sanded or end-jointed
441233	Plywood consisting solely of sheets of wood <= 6 mm thick, with at least one outer ply of non-coniferous wood of the species alder, ash, beech, birch, cherry, chestnut, elm, eucalyptus, hickory, horse chestnut, lime, maple, oak, plane tree, poplar, aspen, robinia, tulipwood or walnut (excl. of bamboo, with an outer ply of tropical wood, and sheets of compressed wood, cellular wood panels, inlaid wood and sheets identifiable as furniture components)
Pulp of wood a	
470100	Mechanical wood pulp, not chemically treated
480449	Kraft paper and paperboard, uncoated, in rolls of a width > 36 cm or in square or rectangular sheets with one side > 36 cm and the other side > 15 cm in the unfolded state, weighing > 150 g to < 225 g/m <sup>2</sup> (excl. unbleached, bleached uniformly in the mass and containing > 95% chemically processed wood fibre by weight in relation to the total fibre content, kraftliner, sack kraft paper and goods of heading 4802, 4803 or 4808)
480452	Kraft paper and paperboard, uncoated, in rolls of a width > 36 cm or in square or rectangular sheets with one side > 36 cm and the other side > 15 cm in the unfolded state, weighing >= 225 g/m², bleached uniformly in the mass, containing > 95% chemically processed wood fibre by weight in relation to the total fibre content (excl. kraftliner, sack kraft paper and goods of heading 4802, 4803 or 4808)
480540	Filter paper and paperboard, in rolls of a width > 36 cm or in square or rectangular sheets with one side > 36 cm and the other side > 15 cm in the unfolded state
Textiles	
510320	Waste of wool or of fine animal hair, incl. yarn waste (excl. noils and garnetted stock) Single cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 192,31 decitex to < 232,56 decitex "> MN 43 to MN 52" (excl. sewing thread and yarn put up
520513	for retail sale) Single cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 125 decitex to < 192,31 decitex "> MN 52 to MN 80" (excl. sewing thread and yarn put up for
520514 520515	retail sale) Single cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of <125 decitex "> MN 80" (excl. sewing thread and yarn put up for retail sale)
520532	Multiple "folded" or cabled cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 232,56 decitex to <714,29 decitex "> MN 14 to MN 43" per single yarn (excl. sewing thread and yarn put up for retail sale)
520533	Multiple "folded" or cabled cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 192,31 decitex to < 232,56 decitex "> MN 43 to MN 52" per single yarn (excl. sewing thread and yarn put up for retail sale)
520534	Multiple "folded" or cabled cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 125 decitex to < 192,31 decitex "> MN 52 to MN 80" per single yarn (excl. sewing thread and yarn put up for retail sale)
520544	Multiple "folded" or cabled cotton yarn, of combed fibres, containing >= 85% cotton by weight and with a linear density of 125 decitex to < 192,31 decitex "> MN 52 to MN 80" per single yarn (excl. sewing thread and yarn put up for retail sale)
520644	Multiple "folded" or cabled cotton yarn containing predominantly, but < 85% cotton by weight, of combed fibres and with a linear density of 125 decitex to < 192,31 decitex "> MN 52 to MN 80" per single yarn (excl. sewing thread and yarn put up for retail sale)
520812	Plain woven fabrics of cotton, containing >= 85% cotton by weight and weighing > 100 g to 200 g/m², unbleached
520813 520819	Woven fabrics of cotton, containing == 85% cotton by weight and weighing <= 200 g/m², in three-thread or four-thread twill, incl. cross twill, unbleached woven fabrics of cotton, containing == 85% cotton by weight and weighing <= 200 g/m², unbleached (excl. those in three-thread or four-thread twill, incl. cross twill, and plain woven fabrics)
520911	Plain woven fabrics of cotton, containing >= 85% cotton by weight and weighing > 200 g/m², unbleached
520912 521019	Woven fabrics of cotton, containing ≥ 85% cotton by weight and weighing > 200 g/m², in three-thread or four-thread twill, incl. cross twill, unbleached  Woven fabrics of cotton, containing predominantly, but < 85% cotton by weight, mixed principally or solely with man-made fibres and weighing <= 200 g/m², unbleached (excl. plain woven fabrics)
521021	Plain woven fabrics of cotton, containing predominantly, but < 85% cotton by weight, mixed principally or solely with man-made fibres and weighing <= 200 g/m², bleached
521112	Woven fabrics of cotton, containing predominantly, but < 85% cotton by weight, mixed principally or solely with man-made fibres and weighing > 200 g/m², in three-thread or four-thread twill, incl. cross twill, unbleached
521141	Plain woven fabrics of cotton, containing predominantly, but < 85% cotton by weight, mixed principally or solely with man-made fibres and weighing > 200 g/m², made of yarn of different colours
521221 530610	Woven fabrics of cotton, containing predominantly, but < 85% cotton by weight, other than those mixed principally or solely with man-made fibres, weighing > 200 g/m², unbleached Single flax yarn
530710	Single yarn of jute or of other textile bast fibres of heading 5303
530720 530820	Multiple "folded" or cabled yarn of jute or of other textile bast fibres of heading 5303 Hemp yarn
530921	Woven fabrics of flax, containing predominantly, but < 85% flax by weight, unbleached or bleached
540781	Woven fabrics of yarn containing predominantly, but < 85% synthetic filament by weight, incl. monofilament of >= 67 decitex and a maximum diameter of <= 1 mm, mixed principally or solely with cotton, unbleached or bleached or
550190 550810	Synthetic filament tow as specified in Note 1 to chapter 55 (excl. that of acrylic, modacrylic, polyesters, polypropylene, nylon or other polyamide filament) Sewing thread of synthetic staple fibres, whether or not put up for retail sale
550931	Single yarn containing >= 85% acrylic or modacrylic staple fibres by weight (excl. sewing thread and yarn put up for retail sale)
550992	Yarn containing predominantly, but < 85% synthetic staple fibres by weight, mixed principally or solely with cotton (excl. sewing thread, yarn put up for retail sale and yarn of polyester, acrylic or modacrylic staple fibres)
551311 551312	Plain woven fabrics containing predominantly, but < 85% polyester staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², unbleached or bleached  Woven fabrics containing predominantly, but < 85% polyester staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², in three-thread or four-thread twill, incl
551312	cross twill, unbleached or bleached Woven fabrics containing predominantly, but < 85% polyester staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², unbleached or bleached (excl. those in three
551319	thread or four-thread twill, incl. cross twill, and plain woven fabrics) Woven fabrics containing predominantly, but < 85% synthetic staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², unbleached or bleached (excl. those of polyester staple fibres)
551329	Woven fabrics containing predominantly, but < 85% synthetic staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², dyed (excl. those of polyester staple fibres)
551341	Plain woven fabrics containing predominantly, but < 85% polyester staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², printed  Woven fabrics containing predominantly, but < 85% synthetic staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², printed (excl. plain woven fabrics of
551349 551411	polyester staple fibres) Plain woven fabrics containing predominantly, but < 85% polyester staple fibres by weight, mixed principally or solely with cotton and weighing > 170 g/m², unbleached or bleached
551412	Woven fabrics containing precommantly, but < 85% polyester staple fibres by weight, mixed principally or solely with cotton and weighing > 170 g/m², in three-thread or four-thread twill, incl. cross twill, unbleached or bleached
551423	Woven fabrics containing predominantly, but < 85% polyester staple fibres by weight, mixed principally or solely with cotton and weighing > 170 g/m², dyed (excl. those in three-thread or four-thread twill, incl. cross twill, and plain woven fabrics)
580123	Cut weft pile fabrics, of cotton (excl. terry towelling and similar woven terry fabrics, tufted textile fabrics and narrow woven fabrics of heading 5806)
580211 580410	Terry towelling and similar woven terry fabrics, of cotton, unbleached (excl. narrow woven fabrics of heading 5806, carpets and other floor coverings) Tules and other net fabrics (sectl. woven, knittled or crocheted fabrics)
611692	Gloves, mittens and mitts, of cotton, knitted or crocheted (excl. impregnated, coated or covered with plastics or rubber, and for babies)
Footwears and	l gears
670490	Wigs, false beards, eyebrows and eyelashes, switches and the like, of animal hair or textile materials (excl. synthetic textile materials)
stone, cement,	ceramic, glass and their products  Takes of alace having a linear coefficient of averaging as E v 10.6 are halving within a temperature range of 0% to 200% unusualed level, takes of alace having a linear coefficient of averaging as E v 10.6 are halving a linear coefficient of a veraging as E v 10.6 are halving a linear coefficient of a veraging as E v 10.6 are halving a linear coefficient of a veraging as E v 10.6 are halving a linear coefficient of a veraging as E v 10.6 are halving a linear coefficient of a veraging as E v 10.6 are halving as E v 10.
700232	Tubes of glass having a linear coefficient of expansion <= 5 x 10-6 per kelvin within a temperature range of 0°C to 300°C, unworked (excl. tubes of glass having a linear coefficient of expansion <= 5 x 10-6 per kelvin within a temperature range of 0°C to 300°C)
701940	Woven fabrics of glass fibres made from rovings





HS 6-Digit Code	HS Description	
Precious or semi-precious stones & metals		
710229	Industrial diamonds, worked, but not mounted or set (excl. unmounted stones for pick-up styluses, stones suitable for use as parts of meters, measuring instruments or other articles of chapter 90)	
711100 711510	Base metals, silver or gold, clad with platinum, not further worked than semi-manufactured Catalysts in the form of wire cloth or grill, of platinum	
Base metals &	articles of base metal	
720310	Ferrous products obtained by direct reduction of iron ore, in lumps, pellets or similar forms	
721061	Flat-rolled products of iron or non-alloy steel, of a width of >= 600 mm, hot-rolled or cold-rolled "cold-reduced", plated or coated with aluminium-zinc alloys	
721899	Semi-finished products of stainless steel (excl. of rectangular [other than square] cross-section)	
722990	Wire of alloy steel other than stainless, in coils (excl. bars and rods and wire of silico-manganese steel)	
731519	Parts of articulated link chain, of iron or steel	
741012	Copper alloy foil, not backed, of a thickness of e= 0,15 mm (excl. stamping foils of heading 3212, metal yarns and metallised yarns and foil made up as christmas tree decorating material)	
750400 780191	Powders and flakes, of nickel (excl. nickel oxide sinters)	
780191 810490	Unwrought lead, containing by weight antimony as the principal other element Articles of magnesium, n.e.s.	
Mechanical a	opliances; electrical equipment	
840710	Spark-ignition reciprocating or rotary internal combustion piston engine, for aircraft	
841090	Parts of hydraulic turbines and water wheels incl. regulators	
841112	Turbojets of a thrust > 25 kN	
841121	Turbopropellers of a power <= 1.100 kW	
841181	Gas turbines of a power <= 5.000 kW (excl. turbojets and turbopropellers)	
841182	Gas turbines of a power > 5.000 kW (excl. turbojets and turbopropellers)	
842930	Self-propelled scrapers	
845522	Cold-rolling mills for metal (excl. tube mills)	
845819	Horizontal lathes, incl. turning centres, for removing metal, not numerically controlled	
846120	Shaping or slotting machines, for working metals, metal carbides or cermets	
847050	Cash registers incorporating a calculating device	
847432 847730	Machines for mixing mineral substances with bitumen Blow-moulding machines for working rubber or olastics	
848299	Brownbouring machines for working rubber or prisones  Parts of ball or roller bearings (excl. balls, needles and rollers), n.e.s.	
848620	rails of Data of Tone Dearning (ext. Data), necession of Data	
850120	viactimes and application to tremination or in semiconductor devices of of electronic integrated circuits.  Universal AC-DC motors of an output > 37,5 W	
851420	Furnaces and ovens functioning by induction or dielectric loss	
853120	Indicator panels with liquid crystal devices "LCD" or light emitting diodes "LED" (excl. those for cycles, motor vehicles and traffic signalling)	
853529	Automatic circuit breakers for a voltage >= 72,5 kV	
854071	Magnetrons	
854140	Photosensitive semiconductor devices, incl. photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes (excl. photovoltaic generators)	
Transport equ	ipment	
870240	Motor vehicles for the transport of >= 10 persons, incl. driver, with only electric motor for propulsion  Motor cars and other motor vehicles principally designed for the transport of <10 persons, incl. station wagons and racing cars, with both diesel engine and electric motor as motors for propulsion,	
870370 871491	capable of being charged by plugging to external source of electric power (excl. vehicles for travelling on snow and other specially designed vehicles of subheading 8703.10) Frames and forks, and parts thereof, for cycles, n.e.s. (excl. for motorcycles)	
871491 880230	rrams and tors, and parts thereor, for tycles, incs., text. for mountycles) Aeroplanes and other powered aircraft of an unladen weight > 2,000 kg but <= 15,000 kg (excl. helicopters and dirigibles)	
890690	Secupions and Unit power and and on an unique weight 2500 kg Ut(~15000 kg (etct. 3805 and vessels for breaking up)  Vessels into Hisbarts (sect. warships, rowing boats and other vessels of heading 8901 to 3905 and vessels for breaking up)	
Precision & m	edical instruments	
900219	Objective lenses (excl. for cameras, projectors or photographic enlargers or reducers)	
900590	Parts and accessories, incl. mountings, for binoculars, monoculars, astronomical and other optical telescopes, and other astronomical instruments, n.e.s.	
900651	Cameras with a through-the-lens viewfinder [single lens reflex "SLR"] for roll film of a width of <= 35 mm (excl. instant print cameras and special camereas of subheading 9006.10 or 9006.30)	
901290	Parts and accessories for electron microscopes, proton microscopes and diffraction apparatus, n.e.s.	
910819	Watch movements, complete and assembled, electrically operated, with combined opto-electronic and mechanical display, whether or not with dial and hands	
911290	Parts of clock and watch cases, n.e.s. (excl. for wrist-watches, pocket-watches and other watches of heading 9101 or 9102)	
911430 911440	Dials for clocks or watches Plates and bridges for clocks or watches	
Miscellaneous	Miscellaneous manufactured articles	
950612	Ski bindings	
Works of art		
970190	Collages and similar decorative plaques	





## Annex V

# Portugal's "stable" foreign dependencies (2019-2021), that match 2019 EU's strategic dependencies

HS 6-Digit Code	HS Description		
Live animals &	Live animals & animal products		
030323	Frozen tilapia "Oreochromis spp."		
030462	Frozen fillets of catfish "Pangasius spp., Silurus spp., Clarias spp., Ictalurus spp."		
030475	Frozen fillets of Alaska pollack "Theragra chalcogramma"		
030483 030559	Frozen fillets of flat fish "Pleuronectidae, Bothidae, Cynoglossidae, Soleidae, Scophthalmidae and Citharidae" Fish, dried, even salted but not smoked, ne.s. (excl. fillets and offal)		
Vegetable pro	duste		
071231	Dried mushrooms of the genus "Agaricus", whole, cut, sliced, broken or in powder, but not further prepared		
071360 071410	Dried, shelled pigeon peas "Cajanus cajan", whether or not skinned or split Fresh, chilled, frozen or dried roots and tubers of manio "casava", whether or not sliced or in the form of pellets		
071440	Taro "Colocasia spp.", fresh, chilled, frozen or dried, whether or not sliced or in the form of pellets		
080430	Fresh or dried pineapples		
080720	Fresh pawpaws "papayas"		
100830 110814	Canary seed Mary		
121294	Chicory roots, fresh, chilled, frozen or dried, whether or not ground		
130190	Lac; natural gums, resins, gum-resins, balsams and other natural oleoresins (excl. gum Arabic)		
Food & Bevero	ges		
160556	Clams, cockles and arkshells, prepared or preserved (excl. smoked)		
180310 200591	Cocoa paste (excl. defatted)  Bamboo shoots, prepared or preserved otherwise than by vinegar or acetic acid (excl. frozen)		
230320	uamnoo snoots, prepared or preserved omerwise man by vinegar or acetic acid (excl. frozen) Beet-pulp, bagasse and other waste of sugar manufacture Beet-pulp, bagasse and other waste of sugar manufacture		
230330	Brewing or distilling dregs and waste		
Mineral produ			
250620 252010	Quartite, merely cut, by sawing or otherwise, in blocks or slabs of a square or rectangular shape (spsum; anhydrite		
252930	Appaint, aimpuite Leucite, nepheline and nepheline syenite		
270799	Oils and other products of the distillation of high temperature coal tars; similar products in which the weight of the aromatic constituents exceeds that of the non-aromatic constituents (excl.		
	chemically-defined compounds, benzol "benzene", toluol "toluene", xylol "xylenes", naphthalene, aromatic hydrocarbon mixtures of subheading 2707.50, and creosote oils)		
271112  Products of th	Propane, liquefied e chemical or allied industries		
280920	Phosphoric acid; polyphosphoric acids, whether or not chemically defined		
281610	Hospitole and peroxide of magnesium		
284590	Non-radioactive isotopes; inorganic or organic compounds of such isotopes, whether or not chemically defined (excl. heavy water "deuterium oxide")		
290511	Methanol "methyl alcohol"		
290930 291816	Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives Gluconic acid, its salts and esters		
292151	or-Phenylenedia mine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof		
310530 320120	Diammonium hydrogenorthophosphate "diammonium phosphate" (excl. that in tablets or similar forms, or in packages with a gross weight of <= 10 kg)  Wattle extract		
Plastics & rub			
400260	Isoprene rubber "IR", in primary forms or in plates, sheets or strip		
Wood product			
440122 440793	Wood in chips or particles (excl. those of a kind used principally for dying or tanning purposes, and coniferous wood)  Maple "Acer spp.", sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, of a thickness of > 6 mm		
Textiles			
520513	Single cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 192,31 decitex to < 232,56 decitex "> MN 43 to MN 52" (excl. sewing thread and yarn put up for retail sale)		
520532	Multiple "folded" or cabled cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 232,56 decitex to <714,29 decitex "> MN 14 to MN 43" per single yarn		
320332	(excl. sewing thread and yarn put up for retail sale) Multiple "folded" or cabled cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 192,31 decitex to < 232,56 decitex "> MN 43 to MN 52" per single yarn		
520533	(excl. sewing thread and yarn put up for retail sale)		
520534	Multiple "folded" or cabled cotton yarn, of uncombed fibres, containing >= 85% cotton by weight and with a linear density of 125 decitex to <192,31 decitex "> MN 52 to MN 80" per single yarn (excl. sewing thread and yarn put up for retail sale)		
520544	Multiple "folded" or cabled cotton yarn, of combed fibres, containing >= 85% cotton by weight and with a linear density of 125 decitex to < 192,31 decitex "> MN 52 to MN 80" per single yarn (excl. sewing thread and yarn put up for retail sale)		
520812	Plain woven fabrics of cotton, containing >= 85% cotton by weight and weighing > 100 g to 200 g/m², unbleached		
520813	Woven fabrics of cotton, containing >= 85% cotton by weight and weighing <= 200 g/m², in three-thread or four-thread twill, incl. cross twill, unbleached		
520819 521019	Woven fabrics of cotton, containing >= 85% cotton by weight and weighing <= 200 g/m², unbleached (excl. those in three-thread or four-thread twill, incl. cross twill, and plain woven fabrics)  Woven fabrics of cotton, containing predominantly, but < 85% cotton by weight, mixed principally or solely with man-made fibres and weighing <= 200 g/m², unbleached (excl. plain woven fabrics)		
530610	wover names or cuttin, containing precommandy, but \ 83% cuttin by weight, hinked principany or solely with his manerhade holes and weighing \ 200 g/m; a indicatiled text, prant wover names). Single flax years		
530820	Hemp yarn		
540781	Wover fabrics of yarn containing predominantly, but < 85% synthetic filament by weight, incl. monofilament of >= 67 decitex and a maximum diameter of <= 1 mm, mixed principally or solely with		
	cotton, unbleached or bleached  Yarn containing predominantly, but < 85% synthetic staple fibres by weight, mixed principally or solely with cotton (excl. sewing thread, yarn put up for retail sale and yarn of polyester, acrylic or		
550992	modacrylic staple fibres)		
551311	Plain woven fabrics containing predominantly, but < 85% polyester staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², unbleached or bleached  Woven fabrics containing predominantly, but < 85% synthetic staple fibres by weight, mixed principally or solely with cotton and weighing <= 170 g/m², unbleached or bleached (excl. those of		
551319	polyester staple fibres)		
611692	Gloves, mittens and mitts, of cotton, knitted or crocheted (excl. impregnated, coated or covered with plastics or rubber, and for babies)		
-	pliances; electrical equipment		
841181	Gas turbines of a power <= 5.000 kW (excl. turbojets and turbopropellers)		
	dical instruments		
911430	Dials for clocks or watches		
_			









#### **Temas Económicos**

- 1: Relacionamento económico com Angola Walter Anatole Margues
- 2: Relacionamento económico com Moçambique Walter Anatole Marques
- Relacionamento económico com a Federação Russa

Walter Anatole Marques

- 4: Evolução da taxa de crescimento das saídas de mercadorias portuguesas face à receptividade dos mercados Janeiro a Setembro de 2007 e 2008

  Walter Anatole Marques
- 5: Comércio Internacional de Mercadorias Séries Anuais 2008-2017 Walter Anatole Marques
- 6: Exportações portuguesas de veículos automóveis e suas partes e acessórios Walter Anatole Margues
- 7: Trocas comerciais entre Portugal e a União Europeia na óptica de Portugal e na dos países comunitários 2005-2008 (mirror statistics) Walter Anatole Marques
- 8: Expedições portuguesas de Têxteis e de Vestuário para a União Europeia Walter Anatole Marques
- 9: Portugal no mundo do calçado Walter Anatole Marques
- 10: Entrepreneurship performance indicators for active employer enterprises in Portugal Elsa de Morais Sarmento | Alcina Nunes
- 11: Business creation in Portugal: comparison between the World Bank data and Quadros de Pessoal Elsa de Morais Sarmento | Alcina Nunes
- 12: Criação de empresas em Portugal e Espanha: Análise comparativa com base nos dados do Banco Mundial

Elsa de Morais Sarmento | Alcina Nunes

- Comércio Internacional no âmbito da Comunidade dos Países de Língua Portuguesa (CPLP) Walter Anatole Marques
- 14: Evolução das exportações de mercadorias para Angola entre 2007 e 2009: Portugal face aos principais fornecedores Walter Anatole Marques
- 15: Análise comparada dos procedimentos, custos e demora burocrática em Portugal, com base no "Doing Business 2011" do Banco Mundial Elsa de Morais Sarmento | Joaquim Reis

- 16: Exportações portuguesas para Angola face aos principais competidores Walter Anatole Marques
- 17: Internacionalização no Sector da Construção Catarina Nunes | Eduardo Guimarães | Ana Martins
- 18: Mercado de Trabalho em Portugal desde 2000 Paulo Júlio | Ricardo Pinheiro Alves
- Comércio Internacional de mercadorias no âmbito da CPLP Walter Anatole Marques
- 20: Exportações nacionais principais mercados e produtos (1990-2011) Eduardo Guimarães
- 21: Formação Contínua nas empresas em 2010 e 2011 Anabela Antunes | Paulo Dias | Elisabete Nobre Pereira | Ricardo Pinheiro Alves | Cristina Saraiva
- 22: Portugal: Uma síntese estatística regional até ao nível de município Elsa Oliveira
- 23: Comércio internacional de mercadorias com Espanha em 2013 Walter Anatole Marques
- 24: Comércio Internacional de Mercadorias Séries Anuais 2008-2013 Walter Anatole Marques
- 25: Comércio Internacional de Mercadorias -Importações da China - Janeiro-Dezembro de 2011 a 2013 Walter Anatole Marques
- 26: Evolução das quotas de mercado de Portugal nas importações de mercadorias na UE-27 -Janeiro-Dezembro de 2007 a 2013 Walter Anatole Marques
- 27: Comércio Internacional de Mercadorias da Guiné-Equatorial face ao mundo e no contexto da CPLP (2009 a 2013) Walter Anatole Marques
- 28: Comércio Internacional de mercadorias da Índia face ao mundo e a Portugal Walter Anatole Marques
- 29: Comércio Internacional de Mercadorias no contexto da União Europeia 2009 a 2013 Walter Anatole Marques
- 30: Comércio bilateral entre os membros do Fórum Macau de 2003 a 2013 Ana Rita Fortunato





- 31: Exportações portuguesas de produtos industriais transformados por nível de intensidade tecnológica - Mercados de destino (2009 a 2013 e Jan-Out 2014) Walter Anatole Marques
- 32: Evolução do comércio internacional de mercadorias com Angola - 2010 a 2014 Walter Anatole Marques
- 33: Exportações nacionais principais mercados extracomunitários e produtos (1990-2013) Eduardo Guimarães
- 34: Evolução do comércio internacional português da pesca - 2013 e 2014 Walter Anatole Marques
- 35: Comércio Internacional de Mercadorias -Séries Anuais 2008-2014 Walter Anatole Marques
- 36: Evolução do Comércio Internacional português da pesca e outros produtos do mar (1º Semestre de 2014 e 2015) Walter Anatole Margues
- 37: Desafios e oportunidades para a Ilha Terceira. Estudo sobre o impacto da redução de efetivos na Base das Lajes GEF
- 38: Análise Comparativa de Indicadores da Dinâmica Regional na Região do Algarve e Continente Ana Pego
- 39: Comércio internacional de mercadorias -Taxas de variação anual homóloga em valor, volume e preço por grupos e subgrupos de produtos
  - Walter Anatole Marques
- 40: Análise Descritiva das Remunerações dos Trabalhadores por Conta de Outrem: 2010-2012 Elsa Oliveira
- 41: Comércio Internacional de Mercadorias -Séries Anuais (2008 a 2015) Walter Anatole Marques
- 42: A indexação da idade normal de acesso à pensão de velhice à esperança média de vida: análise da medida à luz do modelo das etapas
  - Gabriel Osório de Barros
- 43: Balança Comercial de Bens e Serviços -Componentes dos Serviços - 2012 a 2015 e Janeiro-Abril de 2014 a 2016 Walter Anatole Marques
- 44: Comércio internacional de mercadorias entre Portugal e o Reino Unido Walter Anatole Marques
- 45: Comércio Internacional de mercadorias Contributos para o 'crescimento' das exportações por grupos de produtos e destinos (Janeiro a Agosto de 2016) Walter Anatole Marques

- 46: A atividade de Shipping em Portugal Ricardo Pinheiro Alves | Vanda Dores
- 47: Comércio Internacional de mercadorias no âmbito da CPLP - 2008 a 2015 Walter Anatole Marques
- 48: Digitalização da Economia e da Sociedade Portuguesa - Diagnóstico Indústria 4.0 Céu Andrade | Vanda Dores | Miquel Matos
- 49: A participação Portuguesa nas cadeias de valor globais Guida Noqueira | Paulo Inácio
- 50: Contributos dos grupos de produtos e principais mercados de destino para a evolução das exportações de mercadorias -Janeiro a Março de 2017 Walter Anatole Marques
- 51: Comércio internacional de mercadorias: Portugal no âmbito da CPLP - 2012 a 2016 Walter Anatole Marques
- 52: Administração Portuária Empresas e sistemas tarifários Francisco Pereira | Luís Monteiro
- 53: Comércio Internacional de Mercadorias -Séries Anuais 2008-2017 Walter Anatole Marques
- 54: A Economia da Cibersegurança Gabriel Osório de Barros
- 55: Contributo de produtos e mercados para o 'crescimento' das exportações de bens Walter Anatole Marques
- 56: A Cibersegurança em Portugal Gabriel Osório de Barros
- 57: Comércio internacional de mercadorias Portugal - China Walter Anatole Marques
- 58: Comércio internacional de mercadorias de Portugal com a Venezuela - 2013 a 2017 e 1º Semestre de 2018 Walter Anatole Marques
- 59: Balança Comercial de Bens e Serviços Componentes dos Serviços (2015-2017 e 1º Semestre 2015-2018) Walter Anatole Marques
- 60: O Comércio a Retalho em Portugal e uma Perspetiva do Comércio Local e de Proximidade Paulo Machado | Vanda Dores
- 61: A Indústria Automóvel na Economia Portuguesa Sílvia Santos | Vanda Dores
- 62: Impacto Económico da Web Summit 2016-2028 João Cerejeira
- 63: Comércio Internacional de Mercadorias -Séries Anuais (2008-2018) Walter Anatole Marques





- 64: A Tarifa Social de Energia Gabriel Osório de Barros | Dora Leitão | João Vasco Lopes
- 65: Evolução recente do comércio internacional no 'Ramo automóvel' (2017-2018) Walter Anatole Marques
- 66: Comércio internacional de mercadorias com Moçambique (2014-2018) Walter Anatole Marques
- 67: Cryptocurrencies: Advantages and Risks of Digital Money Gabriel Osório de Barros
- 68: Comércio internacional de mercadorias com Moçambique (2014-2018) Walter Anatole Marques
- 69: Perspetivas de investimento das empresas Ana Martins | Rita Tavares da Silva
- Comércio internacional de mercadorias de Portugal - Ficha anual Portugal-PALOP (2014-2018)
   Walter Anatole Marques
- 71: O SME Instrument e as PME Portuguesas Eugénia Pereira da Costa | Paulo Inácio
- 72: Comércio internacional de mercadorias de Portugal com a América Central (2014-2018) Walter Anatole Marques
- 73: Comércio da China com os PALOP (2014-2018) e correspondentes exportações portuguesas (2017-2018) Walter Anatole Marques
- 74: Comércio internacional de têxteis e vestuário (2008-2018) Walter Anatole Marques
- 75: O setor TIC em Portugal (século XXI) Luís Melo Campos
- 76: Comércio Internacional de mercadorias de Portugal com a América do Sul (2014-2018) Walter Anatole Marques
- 77: Empresas de Fabricação de Embalagens de Plástico Florbela Almeida | Graça Sousa | Dulce Guedes Vaz
- 78: Comércio internacional de mercadorias Ficha Portugal-PALOP (2017-2018 e janeiro-agosto 2018-2019) Walter Anatole Marques
- 79: Retrato do Sector do Calçado em Portugal Catarina Nunes | Eduardo Guimarães | Florbela Almeida | Luís Campos | Ricardo Pinheiro Alves | Sílvia Santos | Vanda Dores
- 80: Comércio Internacional de Mercadorias Séries Anuais 2014-2019 Walter Anatole Marques

- 81: Canais de transmissão e sectores potencialmente mais afetados pelo COVID-19 Rita Bessone Basto | Paulo Inácio | Guida Nogueira | Ricardo Pinheiro Alves | Sílvia Santos
- 82: COVID-19 Estratégia de Retoma da Economia Portuguesa GEE (Vários autores)
- 83: Competitividade e cadeias de valor no sector agroalimentar e agroflorestal português Ricardo Pinheiro Alves | Tiago Domingues
- 84: Evolução do setor da construção em Portugal, 2008 a 2018
   Eugénia Pereira da Costa | Catarina Leitão Afonso | Francisco Pereira | Paulo Inácio
- 85: Portugal no mundo do calçado Comércio Internacional (2017-2019 e Janeiro-Maio 2019-2020) Walter Anatole Marques
- 86: COVID-19 Oportunidades setoriais de exportação para a economia portuguesa por via de desvio de comércio Guida Nogueira | Paulo Inácio
- 87: Comércio internacional português do Vinho 2017 a 2019 e período de Janeiro-Abril 2019-2020 Walter Anatole Margues
- 88: A importância Macroeconómica do Ramo Segurador em Portugal: Análise Input-Output Vanda Dores | Tiago Domingues
- 89: Digitalisation, Skills and Cybersecurity in Portugal – Critical Factors in a Digital Economy driven by Covid-19 Gabriel Osório de Barros
- 90: Avaliação do Impacto da Web Summit Francisco Carballo-Cruz | João Cerejeira | Ana Paula Faria
- 91: Comércio internacional de mercadorias de Portugal com a Federação Russa - 2017 a 2021 Walter Anatole Marques
- 92: Comércio Internacional de mercadorias de Portugal com a Ucrânia 2017 a 2021 Walter Anatole Marques
- 93: Acesso ao financiamento das PME portuguesas desde a crise financeira global Ana Martins e Rita Tavares da Silva
- 94: Sector "Têxteis e Vestuário" Importações na UE-27 e quotas de Portugal (2020) Comércio Internacional português (2017-2021) Walter Anatole Marques
- 95: Comércio Internacional da pesca, preparações, conservas e outros produtos do mar (2020-2021) Walter Anatole Marques



- 96: Decarbonization in Portugal The sectors in the ring of fire Inês Póvoa
- 97: Uma estória de dois contos: Impactos heterogéneos da pandemia da COVID-19 no setor do Turismo Gonçalo Novo | Gabriel Osório de Barros
- 98: Comércio internacional de mercadorias de Portugal com Marrocos Walter Anatole Marques
- 99: Evolução recente do Comércio Internacional de mercadorias de Portugal com a Ucrânia Walter Anatole Marques
- 100: Soberania Digital em Portugal: Enquadramento, prioridades e estratégia Nuno Xavier | Gabriel Osório de Barros
- 101: Evolução da Exportação e Importação de calçado 2017-2021 e 1. Semestre 2021-2022 Walter Anatole Marques
- 102: Comércio Externo de Moçambique & Portugal-Moçambique (2020-2021 e 1º Semestre 2021-2022)
  Walter Anatole Marques
- 103: Comércio Internacional da pesca, preparações, conservas e outros produtos do mar (1º Semestre 2021-2022) Walter Anatole Marques
- 104: Importação e exportação de produtos da Madeira, Cortiça, e suas obras (2017-2021 e 1ºSemestre 2021-2022) Walter Anatole Marques

- 105: A resiliência económico-financeira das empresas portuguesas face a choques exógenos: a pandemia covid-19 e a invasão da Ucrânia
  - Ana Martins | Mariana Santos
- 106: Comércio Externo da Argélia & Portugal-Argélia 2017-2021 (Janeiro-Agosto 2021-2022) Walter Anatole Marques
- 107: Importação e exportação de máquinas e unidades de informática semicondutores e circuitos integrados electrónicos (2020-2021 e Janeiro-Agosto 2021-2022) Walter Anatole Marques
- 108: Environmental impact of tourism in Portugal
   overview and challenges
   Gabriel Osório de Barros | Inês Póvoa
- 109: Comércio Internacional de mercadorias Taxas de variação homóloga em Valor Volume e Preço por grupos e subgrupos de produtos (Janeiro-Setembro 2022/2021) Walter Anatole Marques
- 110: Comércio Externo da Turquia e Portugal Turquia (2017-2021 e Janeiro-Setembro 2021/2022) Walter Anatole Marques
- 111: European Industrial Strategy in the recent context: Industrial Ecosystems and Strategic Dependencies' insights from Portugal Guida Nogueira | Paulo Inácio | Joana Almodovar





