

AMERICAN UNIVERSITY OF BEIRUT

LEBANON'S EXPORT SECTOR – A REVEALED
COMPARATIVE ADVANTAGE STUDY

by
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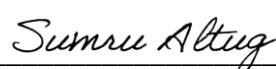
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ABSTRACT OF THE THESIS OF

Elie Bassam El Sayegh for Master of Arts
Major: Economics

Title: Lebanon's Export Sector – A Revealed Comparative Advantage Study

The research paper studies the structural changes in Lebanon's export sector that occurred as a result of the financial economic crisis. The revealed comparative advantage index is used to calculate the relative advantage or disadvantage of Lebanon's exports as evidenced by trade flows.

The results show that the crisis had a significant impact on the export sector, leading to a shift in the structure of exports towards less diversified and more basic exports that have little to no added value. The revealed comparative advantage index revealed that the competitiveness of Lebanese exports decreased during the crisis, and shifted towards more agricultural based exports.

The study concludes that the Lebanese government should implement policies to support the development of new export sectors and to improve the competitiveness of traditional sectors in order to revive the export sector and promote economic growth. The government should also tackle the electricity issue in order to bring back the competitiveness of complex goods.

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CHAPTER I

INTRODUCTION

After many years of social, economic, fiscal, and financial neglect by the Lebanese government, Lebanon suffered a severe economic and financial meltdown. International institutions such as the World Bank concluded that this crisis was “deliberate in the making over the past 30 years,” and is among the world’s worst crises since the 1850s (World Bank, 2022). Before the crisis erupted, Lebanon heavily relied on the financial sector’s capital inflows which were mainly in the form of remittances and deposits as interest rates were unreasonably high, and the exchange rate between the Lebanese Lira and US dollar was fixed at 1,507LBP/1USD which, at that time, presented a form of stability for depositors. The foreign capital inflows remained uninterrupted up until 2018 while the Lebanese government was accumulating unsustainable amounts of national debt without having any proper plan or strategy to finance the service of this debt. Lebanon’s public debt to GDP increased from almost 50% in 2010 to almost 180% in 2022 while real GDP growth plummeted from around 10% in 2010 to almost -20% in 2021 (trading economics).

Lebanon’s economic and financial meltdown was the result of a “Perfect Storm” crisis which was accompanied by a “Sudden Stop” (Calvo et al, 2004) of foreign capital inflows and further amplified by the Covid-19 lockdown and Beirut port explosion. The market was in dire need of an urgent injection of a huge amount of funds to boost the economy, but the government did not have enough fiscal capacity to deliver the

injection as the budget deficit grew from almost 6% in 2014 to almost 17% in 2020 (trading economics).

Governmental decisions and policies were targeted more towards the financial sector while neglecting other productive sectors which severely backfired as the financial and economic meltdown completely crippled the Lebanese economy leaving the country with no solution but to seek additional funding from international sources as no sector was strong enough to provide any support (IMF Article IV).

The most apparent symptom of the Lebanese Financial crisis is the depreciation of Lebanese Lira which lost more than 95% of its value in the black market as the currency depreciated from 1,507 LBP per US dollar to reaching a record high of nearly 63,000 LBP per US dollar by January of 2023(black market rate). The depreciation of the Lebanese Lira's value severely impacted the entire country as the Lebanese economy is a dollarized economy and heavily depends on imports to satisfy domestic needs. Lebanon's trade balance has been in a severe deficit in the last 5 years as domestic production was heavily neglected and imports were Lebanon's main source of consumption, regardless the type of goods. Lebanon's trade balance deficit was at \$13.05Bn in 2017 after increasing by 5.06% from 2016 and increasing by an even greater 12.57% the following year to reach a deficit of \$14.69Bn(Macrotrends). However, the trade balance deficit decreased to \$8.10Bn in 2019(Macrotrends) which could be the result of imports becoming too expensive due to the Lebanese lira currency depreciation. Lebanon's reckless strategy of promoting an unproductive economic model which promoted imports and did not support domestic production to reduce the trade deficits exploded in October 2019 as the Lebanese Lira has since depreciated by more than 90% can no longer afford to purchase the same imports that have been

purchased for the last 10 years due to overvalued Lebanese Lira which has been fixed for many years.

Strategies to rebuild and focus on neglected sectors which were dormant for multiple years highlight an important aspect in Lebanon's economic revival plan as to whether these strategies could propose a solution to direct Lebanon towards a more sustainable and productive economy that is not only able to help Lebanon combat this on-going crisis but to provide a sustainable framework which Lebanon can depend on in the long run to maintain productivity and achieve a budget surplus. The revival of Lebanon's economy requires a transformation into a more productive economy with a focus shifted productive sectors with high potential such as targeted export sectors. This transformation emphasizes on shifting towards focus on export sectors with comparative advantage and focus on productive industrial sectors which not only complements export sectors with comparative advantage but reduces the reliance on imports which will further reduce the trade deficit. The goal of a successful transformation is to achieve sustainable, diverse, and inclusive economic growth in a strategic manner that optimizes Lebanon's currently scarce resources to escape this financial crisis. However, focusing on employing resources in an optimal manner to drive the economy towards a more productive and sustainable economy not only requires a strategic framework but also requires a policy framework which allows and facilitates the adoption of this strategic framework. An export focused strategy with a comparative advantage analysis allows for a strategy which helps identify certain goods in specific sectors that have strong exporting potential to the world. Studies have been conducted in the past for Lebanon by the Lebanese Center for Policy Studies (LCPS) to

emphasize on Lebanon's urgency of capitulating on comparative advantage as revealed in similar RCA-related studies conducted.

Given the depreciation of the Lebanese Lira, imports have become too expensive which signaled the entry for replacement goods which are manufactured locally. In addition, the depreciation of the Lebanese Lira allowed some goods and products to go down in value relative to the dollar. Furthermore, this implies the increasing dependency on locally manufactured goods which can also be exported to increase the government's budget surplus. This shifting focus towards a productive exporting economy requires the adoption of a complementing structural policy framework to facilitate the means of manufacturing and exporting goods with comparative advantage, whether through tax targeted incentives or trade agreements facilitated by the cooperation of governments. Literature by Arezki and van der Ploeg (2010) and Dollar and Kraay (2003) make supporting arguments that the trade-growth nexus is vitally dependent on elements like market institutions (such as competition), institutional arrangements (such as governance), and the social environment, which shows that to build a strategic exporting sector, an infrastructure is required to support the growth of this plan.

Studies by Dagher, L and Nehme, R (2021) have also revealed that to hopes for Lebanon's recover stems back to shifting its economy to a productive, competitive, and sustainable economy. This change suggests an emphasis on comparative advantage and knowledge-based industrial activity, supported by government policies and propelled by a thriving and innovative private sector.

CHAPTER II

OVERVIEW OF THE LEBANESE CRISIS

A. Financial Indicators

The economic collapse of Lebanon has confirmed the "impossible trinity" (R. A. Mundell, 1963) theory, which holds that you cannot have a fixed foreign exchange rate, free capital movement, and an independent monetary policy at the same time. It has also brought into sharp relief the costs of an irresponsible monetary policy that depleted foreign exchange (FX) reserves built up at a tremendous cost to try to maintain a fixed exchange rate and free capital flows. The Central Bank's (Banque du Liban, or BDL) "financial engineering" operations, which involved borrowing foreign exchange funds from local banks at extremely high interest rates compared to international rates, were the most obvious manifestation of this policy. As the BDL and political elite frantically tried to support the state (and its clientelist networks) and retain the currency peg, in place since 1997, the policy that began in 2012 as a one-off, small-scale operation ultimately expanded to unsustainable heights. By growing the public sector, which ate more of the state budget each year, political leaders hoped to win over their voters. Lebanon's governmental debt has surpassed 170% of GDP by March 2020, just before it failed to repay the holders of a USD 1.2 billion Eurobond. The aftermath of this default is Lebanon's famous currency depreciation. Currency depreciation has been a major issue in Lebanon in recent years, with the value of the Lebanese pound (LBP) falling dramatically against the US dollar (USD) and other major currencies. This trend has been exacerbated by the country's ongoing economic and political crisis, which has

resulted in a drop in foreign investment and an increase in inflation. According to data from the Central Bank of Lebanon, the LBP/USD exchange rate was around 1,500 LBP per dollar before the crisis, but by December 2022, it had reached an over 45,000 LBP per dollar. The depreciation has been particularly pronounced since 2019, when the country entered the financial crisis that has been exacerbated by the COVID-19 pandemic and international conflicts such as the Ukraine war. The LBP's depreciation has had a number of negative effects on the economy and society. It has resulted in a loss of purchasing power, with basic goods and services becoming more expensive. It has also made it more difficult for businesses to import raw materials and other inputs, resulting in a decrease in output and exports. Furthermore, the depreciation has made it more difficult for individuals and businesses to repay their foreign currency debts, resulting in an increase in default rates. A variety of measures have been implemented to address currency depreciation and stabilize the LBP, including measures to increase foreign currency reserves and reduce the deficit. However, due to the ongoing economic and political crisis, these efforts have been largely futile, and the LBP/USD exchange rate remains at a historic low. The depreciation has had a number of negative impacts on the economy and society, and efforts to address the issue have been largely unsuccessful due to the ongoing economic and political crisis.

B. Trade Indicators

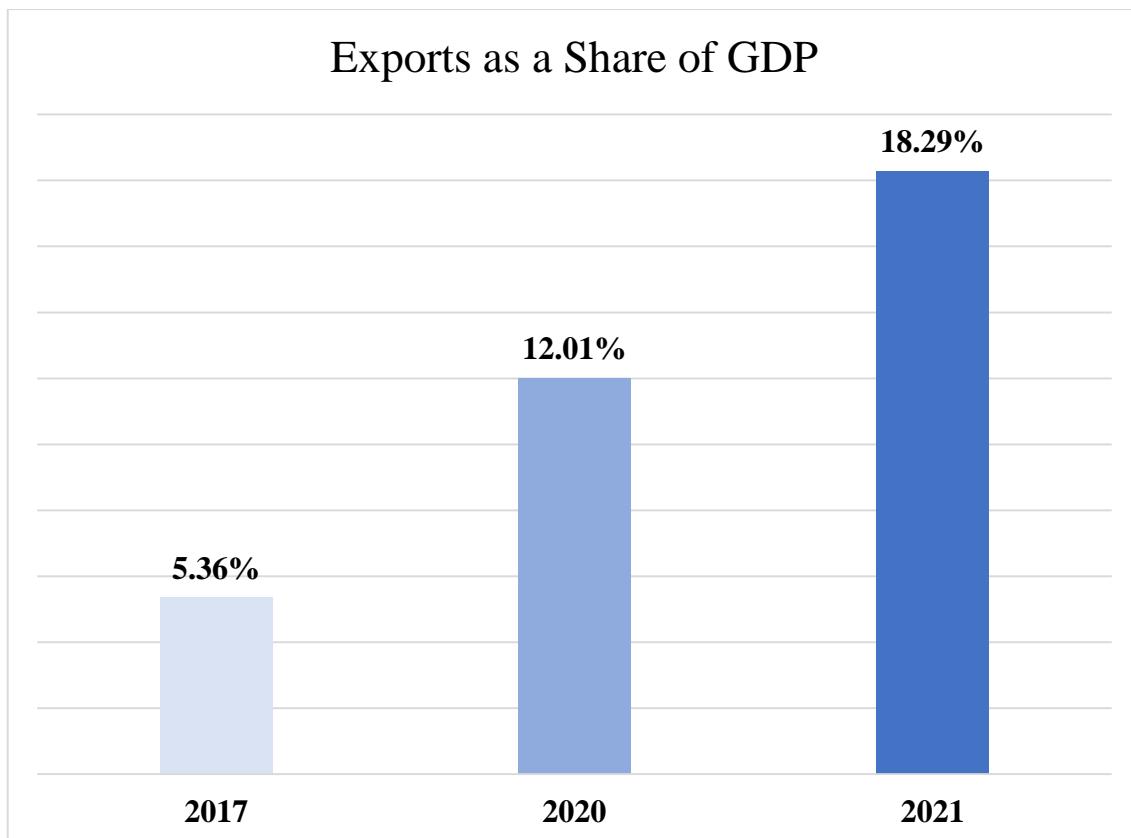
The trade deficit in Lebanon has undergone a notable change, decreasing from approximately \$17 billion in 2017 to approximately \$10 billion in 2021. This is reflected in a shift in Lebanon's foreign trade. The imports and exports sector in Lebanon has undergone significant changes over the past decade, as the country has

faced several economic and political challenges. Imports in Lebanon have consistently exceeded exports, resulting in a large trade deficit. In 2010, according to the international sources such as the OEC, WTO, and ITC, the value of imports was around \$17.5 billion, with the main import products being petroleum products, machinery, and pharmaceuticals. These products accounted for around 25%, 15%, and 10% of total imports, respectively. The main import sources were China, the United Arab Emirates, and Turkey, which together accounted for around 40% of total imports (The Observatory of Economic Complexity). Over the past decade, the value of imports has fluctuated, reaching a high of around \$20 billion in 2018 before declining to around \$14.5 billion in 2020. The main import products in 2020 were machinery, petroleum products, and chemical products, which together accounted for around 45% of total imports. The main import sources in 2020 were China, the United Arab Emirates, and Turkey, which together accounted for around 50% of total imports. The trade deficit, which is the difference between the value of imports and exports, has remained large over the past decade, reaching around \$10.6 billion in 2020. This has had a negative impact on the country's balance of payments and foreign exchange reserves. The high level of imports has also contributed to the depreciation of the Lebanese pound, as the country has had to borrow heavily to finance its imports. Exports in Lebanon have also declined significantly over the past decade. In 2010, exports were valued at around \$7.5 billion, with the main export products being jewelry, textiles, and agricultural products. These products accounted for around 15%, 10%, and 5% of total exports, respectively. The main export markets were the Arab countries, which accounted for around 40% of total exports, followed by the European Union and the United States, which each accounted for around 20% of total exports. The main export products in 2020 were

pharmaceuticals, machinery, and textiles, which together accounted for around 40% of total exports. The main export markets in 2020 were the European Union and the Arab countries, which together accounted for around 60% of total exports (The Observatory of Economic Complexity). In short, the imports and exports sector in Lebanon has undergone significant changes over the past decade, with exports declining significantly and the trade deficit remaining large before the financial crisis and vice versa after the crisis. The decline in exports and increase in imports has had several negative impacts on the economy, including a decline in foreign exchange earnings and an increase in the trade deficit. It has also led to a decline in production and employment in certain sectors, particularly productive sectors. It is interesting to note that despite not having a strategic and thoroughly thought-out plan, Lebanon's trade sector did produce some noticeable results, and this is mainly due to its advantageous geographic location which benefited both the country and its standing as an industrial innovation hub in the Middle East. With the help of its entrepreneurial culture, Lebanon was able to market its goods to its neighbors and achieve a competitive edge both locally and internationally. As a result, the nation has maintained a competitive export portfolio across a variety of regional markets and sectors and has not concentrated on any one industry to support its growth over time. After over \$4.7 billion in exports in 2012 and a nearly 50% drop to \$2.8 billion in 2017, Lebanon's exports have been declining (ITC Market Analysis Tool). Additionally, despite the decline in exports, imports continued to grow steadily. The loss of competitiveness has been attributed to a variety of issues, including the high cost of production and the failure to fully utilize market potential. A rising wave of industrialization in the region has made this more difficult, from economic diversification in Gulf nations to Turkey's steadfast support for exporting local

industrial output. As a result, while these nations' reliance on imports is decreasing, Lebanese export opportunities are being further hampered by cheaper manufacturing from MENA neighbors. However, the dependency on imports declined as the value of goods imported in Lebanon fell from approximately \$19.6 billion in 2017 to \$13.9 billion in 2021 as a result of the Lebanese financial crisis and the abrupt halt of capital inflows. In parallel, exports increased from \$2.8 billion in 2017 to nearly \$4.3 billion in 2021 (ITC Market Analysis Tool). In addition to that, a change in the competitiveness of exporting products in Lebanon was also seen which prompts an investigation to whether the exported products do indeed have a comparative advantage in international markets or not.

Figure 1: Exports as a Share of GDP



Lebanon's economy is shifting towards relying more on exports to bring in foreign currency. The contribution of exports to the country's GDP has risen from 5% in 2017 to almost 18% in 2021. This high proportion of exports to GDP, however, can suggest a decrease in domestic consumption. Although a rise in exports can be seen as a positive sign of economic growth, it can also result in unbalanced growth. To achieve balanced economic growth through exports, several drivers need to be in place. Firstly, the added value of manufactured products needs to be increased. Secondly, stable domestic consumption is important. Thirdly, a diversification of exports can help reduce dependence on any single market or product. Finally, industrialization of production can lead to greater efficiency and competitiveness in the global market. Implementing these drivers not only stimulates economic growth, but also creates jobs and provides additional economic benefits that can be sustained in the long run while also complimenting other productive sectors in the economy.

Industrialists in Lebanon have developed goods in the past that are successful on the world market over the years. This covers a wide range of goods, such as Agri-food items that profit from the popularity of Lebanese cuisine, a range of jewelry and textile products that found a niche in fashion trends, and other specialty chemicals that call for a particular level of knowledge and capability. Unfortunately, there hasn't been much work put into actively promoting these items and using their unique edge. This is crucial because a similar campaign may swiftly increase Lebanese exports as these goods are already regarded as competitive on international markets. More jobs could result from this, which would boost economic growth. Promoting such exports can help Lebanese goods reach a wider market. Improving the standing of Lebanese exports in the area and finding new markets to expand into would be two advantages of doing this.

With its common culture and consumption habits, particularly with Saudi Arabia, the United Arab Emirates, Iraq, and Kuwait, among others, Lebanon displays the highest comparative advantage toward Middle Eastern nations. The nation can leverage its specialized production capability, such as those used to make extremely complex chemicals, to expand its market reach outside the region to other regions of the world. By proactively promoting competitive productions that meet global preferences and wants, this opportunity can be taken advantage of. The character of Lebanese exports may have changed as a result of the country's financial crisis and currency depreciation, which will be explored in the following sections.

C. Trade Agreements in Lebanon

A FAO (Food and Agricultural Organization of the United Nations) report “Strengthening Lebanon’s agricultural export support programmes” on the agricultural sector in Lebanon revealed that over the past few decades, COVID-19, economic-financial-political burdens, and most recently, the Ukraine war have all posed challenges to the relationship between the Lebanese agriculture sector and international trade. There are three things that are known about this connection. First, to meet the domestic food needs of its population, Lebanon depends on the importation of a number of agricultural products. Since 2000, agricultural exports have been rising rapidly as well, but at a slower rate than agricultural imports. In order to ensure good yields, Lebanon's dependence on imports of agricultural inputs, namely fertilizers and pesticides, as well as agricultural machinery and technology, limits its ability to be self-sufficient. Third, compared to other nations in the area and its potential for agricultural output, Lebanon's agricultural exports are comparatively minor in both value and quantity. All three of

these issues may be resolved by expanding access to and integrating into new markets. Strengthening capabilities on trade agreements (regional or bilateral) is one approach to do this. This requires providing training, policy advice, and technical assistance to ministries and stakeholders. Between 2010 and 2017, the Revealed Comparative Advantage (RCA) indicator for Lebanon demonstrates that Lebanon has been a competitive producer and exporter in three important sectors: vegetable products (including edible fruit and nuts), agricultural raw materials (such as cork and wood, pulp and waste paper, textile fibers, and crude animal and vegetable materials), and other goods like tobacco and manufactured tobacco substitutes, preparations of cereals, flour, starch. Furthermore, it is crucial for Lebanon to join the World Trade Organization (WTO) Agreements in order to increase market access in the long run.

Although the WTO accession process began in 1999, there is still a long way to go before Lebanon gets admitted as a member. The membership process needs to be sped up and given top priority given Lebanon's reliance on commerce and desire to increase exports. Lebanon can also use more focused strategies for trade, such promoting and expanding exports of agricultural goods. For instance, the Investment Development Authority of Lebanon (IDAL) has a budget of about USD 30 million for its AgriPlus program, which offers export subsidies. The FAO brief also indicated that in addition to phytosanitary/sanitary conditions/quality, high production costs, and demand in export markets, a problem with access to international markets is the mismatch between local variations. Frequently, farmers don't plant the types that are in demand abroad. Replanting and/or grafting would be necessary to fix this, which would incur expenditures and a loss of revenue as the replacement saplings, rootstocks, and grafts grew to maturity. Due to fierce competition from other nations that produce a

comparable range of agricultural goods, Lebanon also suffers (mainly Turkey, Egypt, Morocco, and Tunisia). Expanding product diversity and variety in comparison to regional rivals may create new market possibilities.

CHAPTER III

PRODUCTIVE SECTORS IN LEBANON DURING THE CRISIS

A. Long Term Symptoms of the Crisis in Productive Sectors

It is important to note that serious implications generated from the economic crisis in Lebanon create even more pressure on Lebanon's productive sectors to help revive Lebanon. Implications such as electricity cutouts, immigration of skilled labor, and reduced foreign investment generated from the economic collapse in Lebanon adds strains on the recovery plan as it affects productive sectors such as manufacturing and exports which are the hope of Lebanon's revival. Severe electricity cutouts can have a range of impacts on a country's exports, depending on the severity and duration of the cutouts and the specific industries and sectors that are affected. In general, electricity cutouts can disrupt production and transportation, which can make it more difficult for firms to produce and export goods. This can lead to delays in shipments and reduced competitiveness in global markets. Electricity cutouts can also have indirect impacts on exports, such as by affecting the overall business environment and investor confidence. For example, firms may be less likely to invest in or expand operations in a country that suffers from frequent and severe electricity cutouts. This can reduce the country's export capacity and competitiveness over the longer term. In addition, electricity cutouts can have negative impacts on the domestic economy, which can in turn affect exports. For example, if electricity cutouts lead to reduced economic activity and lower demand for goods and services, firms may be less likely to export these products. Overall, severe electricity cutouts can have significant impacts on a country's exports and addressing

these cutouts can be an important part of improving the competitiveness of the country's exports.

In addition to that, the immigration of skilled labor outside a country can have a range of negative impacts on the country's manufacturing and export sector. The negative impacts of skilled workers immigrating outside the country are characterized by a reduction in competitiveness: The loss of skilled labor to other countries can reduce the competitiveness of firms within the country, as these firms may no longer have access to the same level of expertise and knowledge. This can lead to reduced exports and economic growth. Another characteristic is decreased innovation: The loss of skilled labor can lead to a brain drain, whereby the country loses its most talented and innovative workers to other countries. This can reduce the ability of firms to innovate and improve their competitiveness. In addition to that, another characteristic is Labor market inefficiency: The loss of skilled labor can create shortages in the domestic labor market and make it more difficult for firms to find the workers they need. This can reduce the efficiency of the labor market and hinder competitiveness. Finally, another characteristic is increased costs: The loss of skilled labor can lead to increased costs for firms, as they may need to invest more in training and development to compensate for the loss of skilled workers.

As revealed by the IMF Country Report No. 19/313, electricity shortages are a major constraint to competitiveness for businesses in Lebanon, as reported in the World Bank's Enterprise Survey. 55% of businesses surveyed reported electricity as an impediment, surpassing other categories such as corruption, access to finance, informal sector competitors, and criminality. Lebanon's electricity sector performance is worse compared to other countries in the region, with 97% of businesses experiencing

electrical outages and a daily average shortage of 5.4 hours. Many businesses rely on expensive private generators, with 84% using them to supply almost half of their electricity, compared to the average in the MENA region of 36% of businesses using private generators for 32% of the supply. Private generators cost on average 22 cents/kWh, compared to 9.6 cents/kWh for EdL's electricity tariffs, making them a significant portion of businesses' electricity expenses.

B. Limitations in Lebanon's Trade Sector

Corruption is a significant problem in Lebanon. The country has a long history of political corruption and cronyism, and many government officials and politicians are believed to engage in corrupt practices. Lebanon has ranked poorly on international corruption indices in the past, with Transparency International's Corruption Perceptions Index ranking it 135th out of 180 countries in 2020.

The problem of corruption in Lebanon is compounded by a weak legal system and a lack of political will to address the issue. Many people in Lebanon believe that the government is not doing enough to combat corruption and that corrupt officials are not being held accountable for their actions. The issue of corruption is also seen as a major factor contributing to the country's economic and political instability.

Corruption is believed to be a significant problem in Lebanon's import and export sectors. There have been reports of government officials demanding bribes in exchange for processing import and export paperwork, or for granting permits or licenses. There have also been instances of customs officials demanding bribes in exchange for turning a blind eye to the smuggling of goods. In addition to these forms of petty corruption, there are also concerns about more systemic corruption in Lebanon's import and export

sectors. There have been allegations of corruption involving government contracts for importing goods and services, and there have been reports of insiders using their positions to secure lucrative import and export deals. The problem of corruption in Lebanon's import and export sectors is thought to contribute to the country's economic problems and to hinder the development of a fair and competitive business environment. It is also likely to undermine the trust of foreign investors and traders in the country.

Corruption has contributed to Lebanon's heavy reliance on imports. Corruption can undermine the competitiveness of domestic industries in several ways. For example, if public resources and contracts are allocated through corrupt practices, this can benefit certain firms or individuals at the expense of others, leading to inefficiencies and an unfair distribution of resources. Corruption can also create additional costs for businesses, such as the need to pay bribes or engage in rent-seeking activities in order to operate. This can make it difficult for domestic firms to compete with imports, which may not face the same corrupt barriers to entry. Additionally, corruption can create uncertainty and unpredictability in the business environment, making it difficult for firms to plan and invest for the future. Overall, the negative impact of corruption on the economy can be significant, and addressing corruption is an important part of any efforts to improve the competitiveness of domestic industries and reduce the country's reliance on imports.

Transparency International's Corruption Perceptions Index (CPI), World Bank's Doing Business Index and World Economic Forum's Global Competitiveness Index, all indicate that corruption is a significant problem in Lebanon. The CPI measures perceptions of corruption in the public sector, based on expert opinions. Lebanon has

consistently ranked poorly on the CPI, with a score of 20 out of 100 in the 2021 CPI, 21 out of 100 in the 2020 CPI, and 21 out of 100 in the 2019 CPI. The World Bank's Doing Business Index measures the ease of doing business in different countries, including the extent to which regulations are enforced transparently and without corruption. Lebanon ranked 156th out of 190 countries in the 2021 Doing Business Index, indicating that the country faces significant challenges in this area. The World Economic Forum's Global Competitiveness Index measures the competitiveness of countries based on a range of factors, including the perceived level of corruption. Lebanon ranked 135th out of 141 countries in the 2021-2022 Global Competitiveness Index, indicating that corruption is perceived to be a significant problem in the country.

CHAPTER IV

REVEALED COMPARATIVE ADVANTAGE LITERATURE

A. Balassa's Revealed Comparative Advantage Index

Comparative advantage analysis is a valuable method for comparing the costs of production and determining the industries and marketplaces with the highest chances of success and is essential to understanding the origin of commerce and international trade. Measuring comparative advantages has also become a key issue for trade policy (Costinot et al., 2015). Comparative advantage can be quantified using "revealed comparative advantage" (RCA) indices in empirical international trade research, which expose the underlying comparative advantage from observed trade patterns (Balassa 1965). The most well-known RCA index is Balassa's. Balassa's RCA index is helpful in determining whether a country has a comparative advantage in a particular good, but its use in comparative studies is constrained and problematic (Hillman 1980, Bowen 1983, 1985, 1986, Ballance et al. 1985, 1986, Deardorff 1994, Hoen and Oosterhaven 2006). Although this relative order in general continues to be problematic, most studies solely employ Balassa's RCA index to represent a country's relative ranking of comparative advantage in distinct commodities (Yeats 1985).

Balassa's RCA (BRCA) index is the first generation of revealed comparative advantage indices and most widely used RCA measure in the literature (Bojnec 2001, Havrla and Gunawardana 2003). The BRCA index, in essence, normalizes the degree to which a nation's actual exports deviate from its comparative-advantage-neutral level

by taking into account both the nation's market share in the global export market (E_i/E) and the market share of the commodity in the global market (E_j/E).

$$\text{BRCA}_j^i = (E_j^i/E_j)/(E^i/E) \quad (1)$$

Eq. (1) states that the BRCA index contrasts a country's market share in the export market for a commodity with its market share in the global export market. A value of BRCA_{ij} above 1 denotes that the country I has a comparative advantage in this commodity since its export market share for commodity j is higher than its export market share globally. A BRCA_{ij} value less than 1 indicates that a country has a comparative deficit in the commodity in question, while a BRCA_{ij} value equal to 1 indicates that a country has a "neutral" comparative advantage. Theoretically, the BRCA index can only indicate if a country has a comparative advantage in each good because its magnitude lacks both the ordinal property and the cardinal quality (Hillman 1980, Yeats 1985). Yeats (1985) noted that the BRCA index has a bias toward indicating strong comparative advantage for countries with a small market share in the world export market and commodities that only make up a small market share of the world export market, which tends to give inconsistent and misleading results when used to measure countries' comparative advantages. The asymmetrical nature of the BRCA index is another drawback. Eq. (1) states that the BRCA index has an upper bound that is generally undefined and a fixed lower bound of 0, with 1 serving as the comparative advantage-neutral point. As a result, the average BRCA score for a country, or a commodity is not the same. The comparability of Balassa's RCA index across either country or commodity is called into question since it suggests that the same magnitude of BRCA can indicate different levels of comparative advantage for different countries or commodities. To enhance Balassa's RCA index, a number of substitute indices have

been suggested, mainly addressing the asymmetric feature. In order to make the BRCA index more symmetrical, Vollrath (1991) proposed adding the logarithm, but this updated index would not designate a commodity with zero export. Laursen (1998) created an additional symmetrical RCA index (SRCA) using the following equation:

$$\text{SRCA}_j^i = (\text{BRCA}_j^i - 1)/(\text{BRCA}_j^i + 1) \quad (2)$$

SRCA scores are distributed symmetrically from -1 to +1, with 0 serving as the comparative-advantage-neutral midpoint. However, this symmetry comes at a price because of the transformation, which makes the economic interpretation of the SRCA index less straightforward than that of the BRCA index (Benedictis and Tamberi 2001). When evaluating the RCAs of products, it is done through what is known as the Harmonized System (HS) Classification. The World Customs Organization's Harmonized Commodity Description and Coding System is an international system for classifying goods for customs purposes that gives each category of goods a special 6-digit HS code. The Customs Cooperation Council first used the method in 1983. Using a harmonized code, we are able to identify the specific products (harmonized across all countries) we will be evaluating.

B. Applications of the Revealed Comparative Advantage Index

The Revealed Comparative Advantage (RCA) index is used to measure the relative strength of a country's exports in a particular sector or commodity compared to other countries. The objective of the RCA index is to identify the sectors in which a country has a comparative advantage and competitiveness in the world market. Literature on this index is used to help policy makers to make informed decisions regarding the allocation of resources and investment in the sectors that have a

comparative advantage, as well as to determine the competitiveness of a country's exports in the international market. A study by Jens Oelgemöller "Revealed Comparative Advantages in Greece, Ireland, Portugal and Spain" evaluates the comparative advantage and competitiveness of Greece, Ireland, Portugal and Spain in the global market by using the revealed comparative advantage index. The paper found that Greece has the most problematic economic structure, with a weak national demand and exports sectors that do not seem to have enough power to help the economy in the short term. Portugal has a dominant service sector, while Ireland's dominant industries are part of international companies and foreign direct investments, making it dependent on the world market. Spain has competitive sectors but the most important sectors are less competitive. The paper concludes that improvements in factor allocation and structural reforms should be implemented in these countries to exploit their economic potential. Efforts should also be made to attract foreign investment, establish stable institutional conditions and build up powerful industries. This will require a major and long-lasting reform process that may take decades.

Another study by Kashif Munir and Maryam Sultan "Export competitiveness with border-sharing countries: an assessment of Pakistan" shows that Pakistan has a large export potential with abundant natural resources, rich water resources and good agro-ecological conditions but has not been able to fully utilize it in the world market. The study analyzes the export competitiveness of Pakistan with its bordering countries (Afghanistan, China, India, Iran) using the Revealed Comparative Advantage (RCA) index at a three-digit level for the year 2014. The study found that Pakistan has a comparative advantage in food-related products like meat, milk, cream and wheat. In the Afghan market, Pakistan has a comparative disadvantage in cotton, textile yarn, and

clothing. In the Chinese market, Pakistan has a comparative advantage in textile yarn but a disadvantage in cotton. In the Indian market, Pakistan has a comparative disadvantage in textile articles, textile yarn, clothing and knitwear. In the Iranian market, Pakistan has no comparative advantage in agriculture products but a marginal advantage in rice. The study suggests that Pakistan needs to adopt special strategies to improve the competitiveness of commodities that fall in the marginal advantage and disadvantage segments, and improve its market for rice in Afghanistan, China, and Iran. To increase cross-border trading, political and diplomatic efforts are also necessary among the countries.

More literature on the Revealed Comparative Advantage index is available by Bruno S. Sergia and Renáta Pitoňáková's paper "Modelling trade specialisation of Slovakia and Czechia in automobile industry" where they investigate the cause of specialization in the automobile industries in Slovakia and Czechia and evaluate its competitiveness in the intra EU-28 market. They used the revealed comparative advantages in 4 manufacturing categories and applied the revealed competitiveness indicator considering exports and imports. The results showed a strong relationship between competitiveness and factors such as endowments, country size, and exchange rate, revealing overspecialization of these economies. The findings have implications for policy and suggest a need for education and training to meet demand from other industries. The findings can support future research on other economies in the automobile industry.

The Revealed Comparative Advantage Index is also used on more targeted and specific products or sectors to measure and assess relative trade competitiveness of these specific sectors only. An example to that is the paper "Revealed Comparative

Advantage and Decomposition of Export Growth: Case of India's Selected Rubber Products" by Joby Joseph and Tharian George K where they analyzed India's rubber and rubber products exports in two phases, with a focus on four products. The study revealed that the performance of each product varied with market orientation and dependence on world trade effect, competitiveness effect, market distribution effect, and market size effect. The best performance was seen in "other pneumatic tires of rubber," with a high annual average growth rate in exports and potential for market diversification. "Other articles of vulcanized rubber" showed mixed results, influenced by world trade effect, and dominated by small and medium enterprises. The export performance of "new pneumatic tires used for buses/lorries" and "new pneumatic tires for cars" was determined by world trade effect, with declining annual average growth rates. India's export markets are dominated by China, and India's comparative advantage in the selected products is increasing due to higher competitiveness. However, they concluded that India needs to segment and streamline product and market-specific strategies to maximize potential advantages in the rubber product manufacturing industry.

CHAPTER V

METHODOLOGY

For this study, we will solely focus on a particular collection of chapters by categorizing them into the following groups:

- 01-05: Animal & Animal Products
- 06-15: Vegetable Products
- 16-24: Foodstuffs
- 25-27: Mineral Products
- 28-38: Chemicals & Allied Industries
- 39-40: Plastics / Rubbers
- 41-43: Raw Hides, Skins, Leather, & Furs
- 44-49: Wood & Wood Products
- 50-63: Textiles
- 64-67: Footwear / Headgear
- 68-71: Stone / Glass
- 72-83: Metals
- 84-85: Machinery / Electrical
- 86-89: Transportation
- 90-97: Miscellaneous

After categorizing them into the above listed groups, we will analyze the changes in patterns between the base year 2017 and the most recent available data 2021. We will highlight the performance of the top 20 products at the HS6 disaggregation level for every category and compare the differences between 2017 and 2021 to analyze the structural changes in the types of products that gained and lost comparative advantage in Lebanon throughout those years.

By grouping the products into categories, we can capture the relative strength of a country's exports for every industry, compared to the rest of the world. We will then utilize the Export Potential Tool by the International Trade center to identify the tapped market potential for Lebanon's export products.

We will follow the Balassa's Revealed Comparative Advantage approach to compute the revealed comparative advantage for our categorized groups. The RCA formula is composed of the share of a country's total exports of the commodity of interest in its total exports in the numerator the share of world exports of the same commodity in total world exports in its denominator.

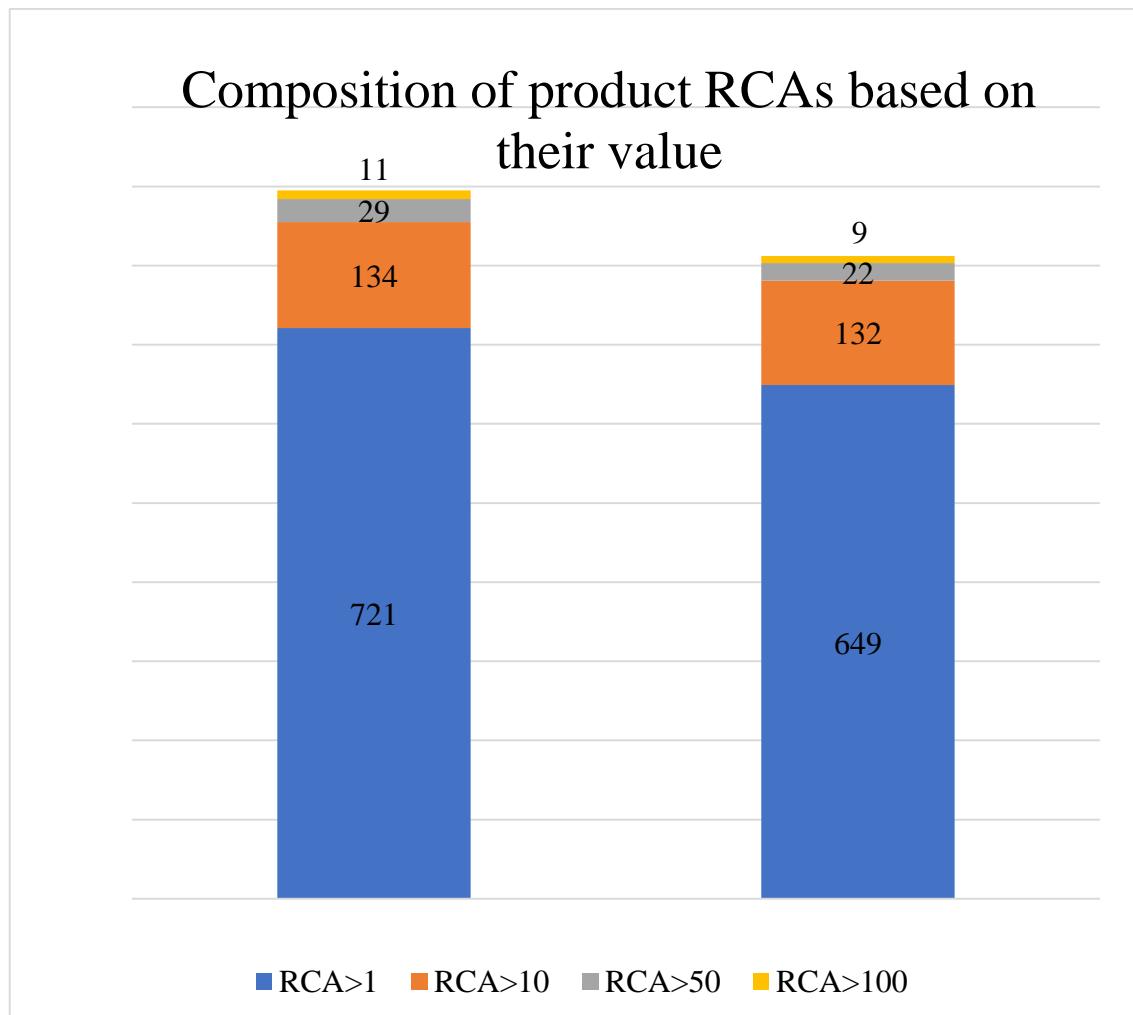
$$\text{BRCA}_j^i = (E_j^i/E_j)/(E^i/E)$$

CHAPTER VI

DATA AND FINDINGS

A. General Findings

Figure 2: Products with RCA Greater Than 1

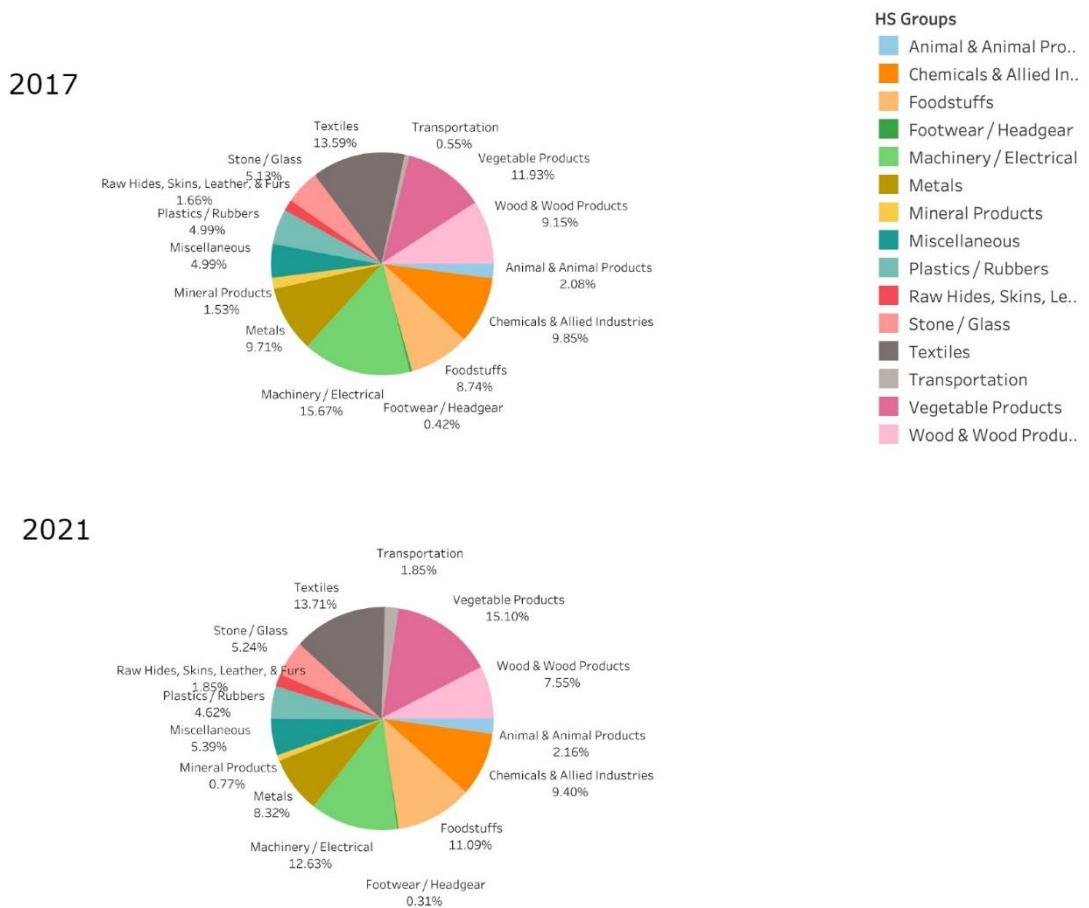


Data for 5060 products at the HS6 level was collected. 14.25% of the total products observed had an $\text{RCA} > 1$ in 2017 and 12.83% of the observed products had an $\text{RCA} > 1$ in 2021. At an aggregate level, we can observe that the total number of

products with an $RCA > 1$ has decreased from 721 in 2017 to 649 in 2021. We do not observe a significant decrease in the number of goods on the higher spectrum of the RCA. 134 products produced an $RCA > 10$ in 2017 while 132 produced an $RCA > 10$ in 2021. The same trend is observed at the $RCA > 50$ and $RCA > 100$. The data will be further disaggregated and investigated in the following sections to identify the types of products that have gained and lost comparative advantage and their relative industry.

B. RCA groups with value greater than 1

Figure 3: Grouped Exports with RCA Greater Than 1



A key takeaway from the above pie charts shows how agricultural-based groups such as vegetable products, animal & animal products, and foodstuffs now accumulate a higher share of products with an RCA greater than 1. Meanwhile groups such as machinery and electrical products now hold a lower share of products with an RCA greater than 1 in 2021 than it did in 2017. This is heavily due to the difficulties such as electricity cutouts and increased costs of production for producing and manufacturing products in Lebanon.

C. Comparing products with RCA > 1 between 2017 and 2021

Table 1: Top 20 products with the highest RCA value in 2021 compared to their value in 2017

HS6	Product label at HS6	2017	2021
300692	Waste Pharmaceuticals	948.1	1109.0
081330	Dried apples	0.0	452.6
720410	Waste and scrap, of cast iron (excluding radioactive)	403.5	327.2
330520	Preparations for permanent waving or straightening	287.0	249.4
310311	"Superphosphates containing by weight => 35 % of diphosphorus pentaoxide ""P2O5"" (excl. such ...	275.7	233.1
080610	Fresh grapes	7.1	129.0
720690	Iron and non-alloy steel, in puddled bars or other primary forms (excluding ingots, remelted ...	0.0	123.0
010410	Live sheep	21.7	108.6
410229	Raw skins of sheep or lambs, without wool on, fresh or salted, dried, limed or otherwise preserved, ...	100.3	100.2
080940	Fresh plums and sloes	14.5	95.9
090190	Coffee husks and skins; coffee substitutes containing coffee in any proportion	640.0	89.8
850211	"Generating sets with compression-ignition internal combustion piston engine ""diesel or semi-diesel ...	114.8	69.0
081070	Fresh persimmons	5.4	67.2
240110	Tobacco, unstemmed or unstripped	90.7	65.7
600199	"Pile fabrics, knitted or crocheted (excluding cotton or man-made fibres and ""long pile"" ...	11.4	63.9
080590	"Fresh or dried citrus fruit (excluding oranges, lemons ""Citrus limon, Citrus limonum"", limes ...	65.9	63.7
780110	Unwrought lead, refined	3.6	62.3
080921	"Fresh sour cherries ""Prunus cerasus"""	15.4	61.3
847431	Concrete or mortar mixers (excluding those mounted on railway wagons or lorry chassis)	42.8	54.2
080310	Fresh or dried plantains	0.1	53.5

Source: Author's Calculations.

Highest RCAs in 2017 compared to the RCA of the same product in 2021

Table 2: Top 20 products with the highest RCA value in 2017 compared to their value in to 2021

HS6	Product label at HS6	2017	2021
300692	Waste Pharmaceuticals	948.1	1109.0
780419	"Lead plates; lead sheets, strip and foil, of a thickness ""excluding any backing"" of > 0,2 ...	679.4	0.7
090190	Coffee husks and skins; coffee substitutes containing coffee in any proportion	640.0	89.8
720410	Waste and scrap, of cast iron (excluding radioactive)	403.5	327.2
330520	Preparations for permanent waving or straightening	287.0	249.4
310311	"Superphosphates containing by weight => 35 % of diphosphorus pentaoxide ""P2O5"" (excl. such ...	275.7	233.1
560129	Wadding of textile materials and articles thereof (excluding of cotton or man-made fibres; ...)	152.4	3.0
310319	Superphosphates (excl. such products containing by weight => 35 % of diphosphorus pentaoxide, ...)	138.2	0.0
841829	Household refrigerators, absorption-type	137.2	53.2
850211	"Generating sets with compression-ignition internal combustion piston engine ""diesel or semi-diesel ...	114.8	69.0
410229	Raw skins of sheep or lambs, without wool on, fresh or salted, dried, limed or otherwise preserved, ...	100.3	100.2
110520	Flakes, granules and pellets of potatoes	97.8	48.8
850212	"Generating sets with compression-ignition internal combustion piston engine ""diesel or semi-diesel ...	92.7	49.6
240110	Tobacco, unstemmed or unstripped	90.7	65.7
440728	Iroko, sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, ...	86.7	4.6

901120	Optical microscopes, for photomicrography, cinephotomicrography or microprojection (excluding ...)	86.4	0.0
091091	Mixtures of different types of spices	80.1	38.2
200559	"Unshelled beans ""Vigna spp., Phaseolus spp."", prepared or preserved otherwise than by vinegar ...	71.4	49.8
070511	Fresh or chilled cabbage lettuce	66.4	14.3
080590	"Fresh or dried citrus fruit (excluding oranges, lemons ""Citrus limon, Citrus limonum"", limes ...	65.9	63.7

Source: Author's Calculations.

Note: The entire list of products at the HS6 code level will be available in the appendix. They are not present here due to lack of space.

A common trend observed among both year is that “Waste Pharmaceuticals” has the highest RCA for both years as the Lebanon has well-developed pharmaceutical industry and has been one of the country's key export sectors throughout the years. This can be attributed to multiple reasons such as the country's strong research institutions and universities that have been actively involved in the development of new pharmaceutical products, as well as the county's strong geographic location.

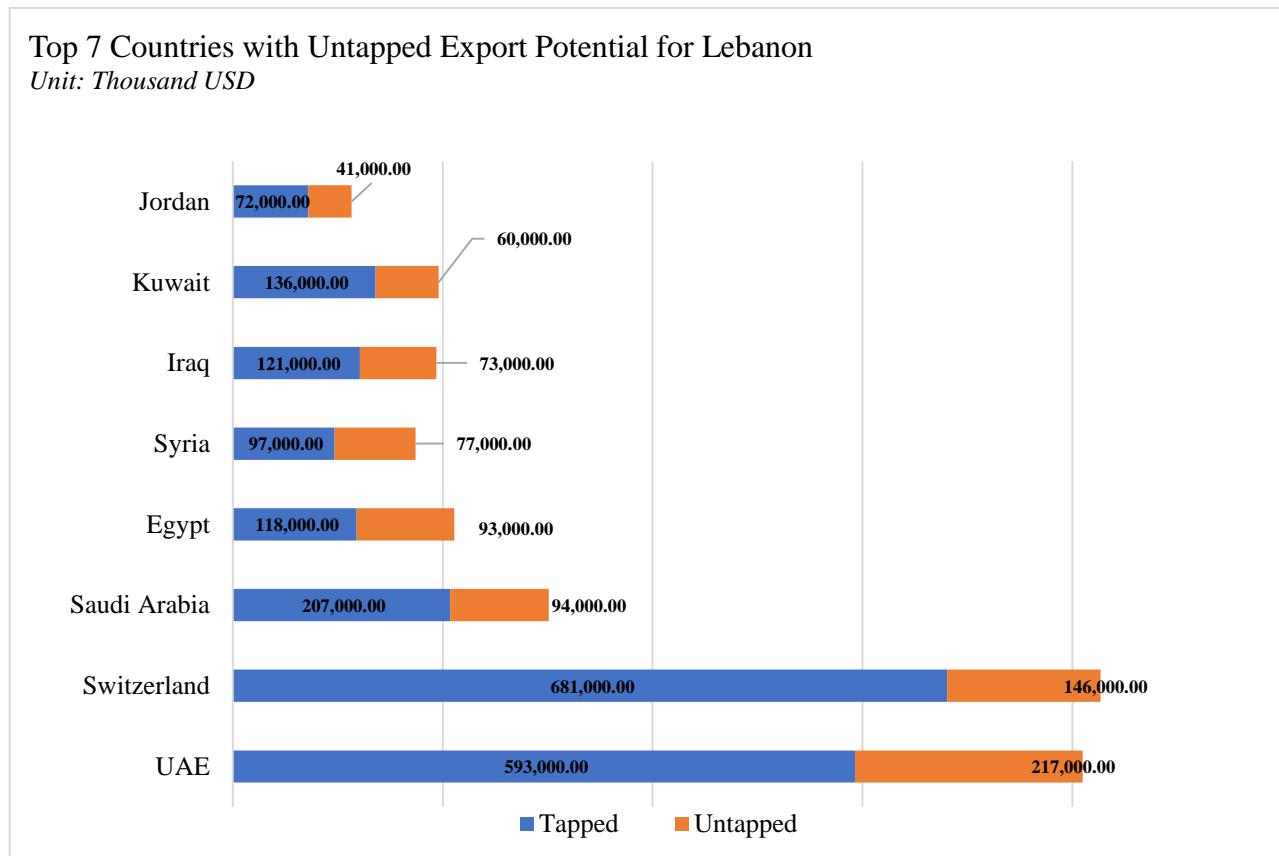
Products such as “Dried apples”, “Fresh Grapes”, “Live Sheep”, “Fresh plums and sloes”, “Fresh persimmons”, “Fresh or dried plantains”, and “Fresh sour cherries” have gained a significant increase in RCA in 2021 when compared to the RCA of 2017. This trend indicates a strong increase in the RCA of agri-products. Whereas the RCA of “Electrical machinery, equipment, and parts” has decreased significantly in 2021 when compared to 2017 but still maintained a relatively high RCA. In addition to that. Metal products such as “Iron and non-alloy steel” and “refined Unwrought lead” have increased significantly in 2021 to an RCA of 123 and 62.3 after having an RCA of 0

and 3.6 in 2017, respectively. Metal products in general have maintained a stable and positive RCA over the observed years.

A noticeable decrease in RCA from 2017 to 2021 is “Optical microscopes, for photomicrography” which is a complex product. This is largely impacted by the implications of the financial crisis such as electricity cut outs, immigration of skilled labor, and sudden stop of capital inflows which was accompanied by a massive decrease in investments. In addition, a visible trend in more primary material is apparent as these products have gained the highest RCA in Lebanon, while value-added products or products that have undergone some sort of processing have lost competitiveness in the export market.

D. Untapped Export Potential

Figure 4: Top 7 Countries with Untapped Export Potential for Lebanon



The Export Potential Indicator tool by ITC identifies the potential export value through historical data for Lebanon in a given product and target market based on an economic model that combines the exporter's supply, the target market's demand, market access conditions, and bilateral linkages between the two countries. This tool reveals a total of \$217 million untapped export potential that Lebanon is yet to utilize. 6 of the top 7 countries with the highest untapped export potential for Lebanon are Arab countries. Utilizing Lebanon's current trends which seem to be directed towards agricultural and primary exports, we will look further into the composition of untapped export potential for agricultural products and animals and animal products.

Figure 5: Top 5 Countries with Untapped Export Potential for Animals and Animal Products in Lebanon

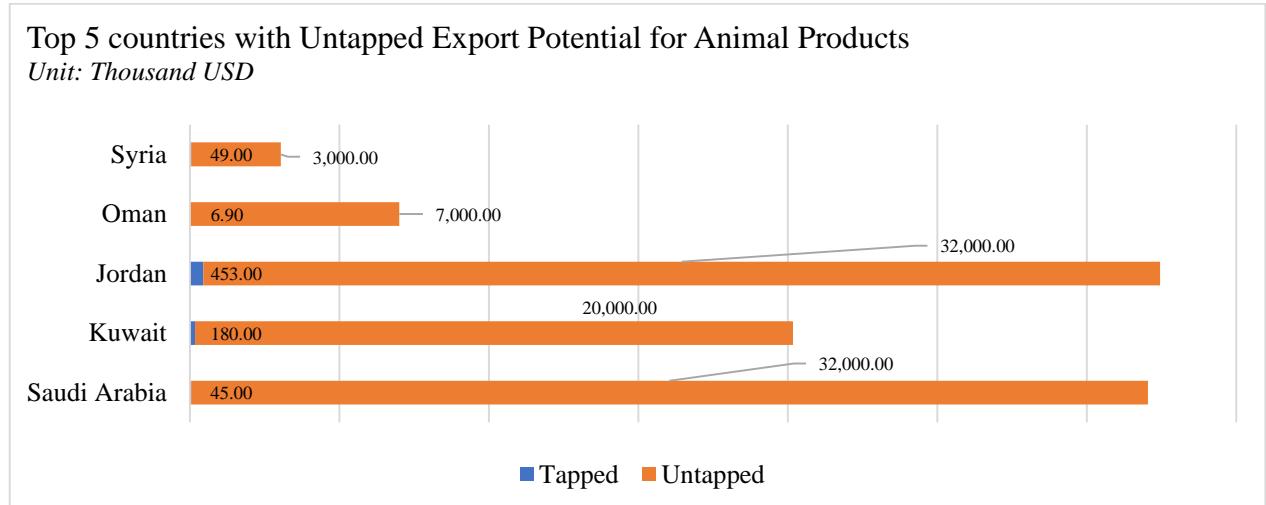
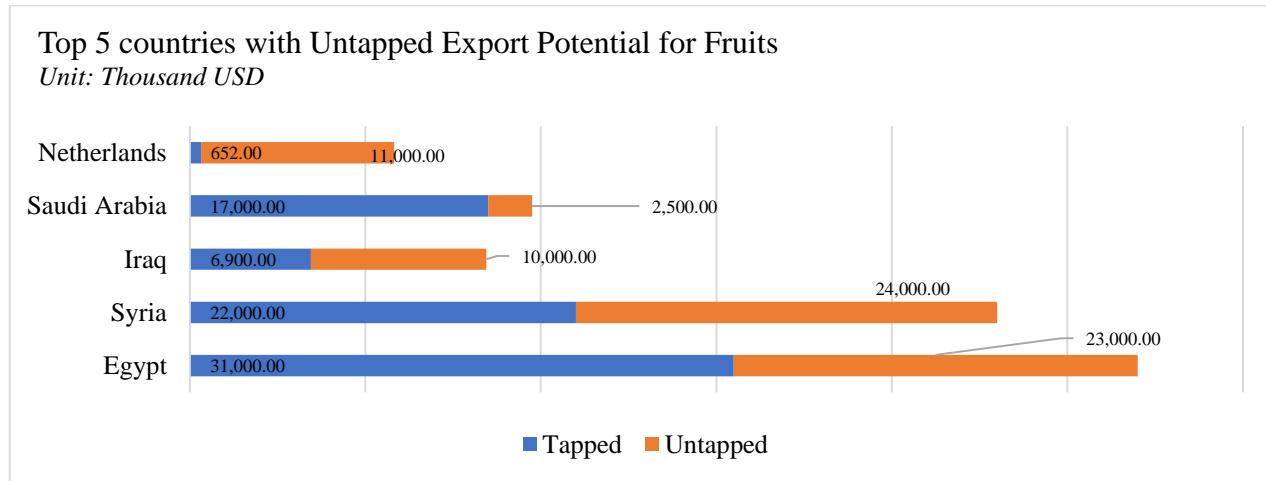


Figure 6: Top 5 Countries with Untapped Export Potential for Fruit Products in Lebanon



Based on the Export Potential Tool by the International Trade center, we observe that despite the already increased RCA in agricultural-based products, these products still have a very highly untapped export market that is not being utilized by Lebanon. The "Tapped" column represents the current level of exports to each country,

while the "Untapped" column highlights the vast opportunities for growth in exports to each country in Thousand USD. According to the tool, Egypt, Syria, and Iraq are the markets with the greatest potential for Lebanon's fruit exports. Exporting fruit products to those 5 countries alone will provide Lebanon with access to a market with more than \$70 million USD. There is space to achieve extra exports worth \$24 million from Syria Arab Republic, which has the highest absolute disparity between potential and actual exports in value terms. Saudi Arabia shows the largest absolute difference between potential and actual exports in value terms, leaving room to realize additional export activity. The data on Animals and Animal Products shows the tremendous room for untapped potential for Lebanon in the export market. With large untapped potential in countries such as Saudi Arabia, Jordan, and Kuwait, Lebanon has the potential to significantly increase its exports in the near future. The country's untapped potential in the market presents a promising opportunity for businesses to explore and tap into new markets. In addition, data from this tool reveals that even already highly exported products by Lebanon such as Gold, unwrought, for non-monetary purposes, Jewelry, of precious metal, n.e.s. and Wooden furniture, n.e.s. still have a combined untapped potential of \$703 million and have the largest export potential from Lebanon to the world. Superphosphate supply capacity is greatest in Lebanon. The product with the most potential for demand worldwide is medications made up of unmixed or mixed goods that are sold for retail purposes.

CHAPTER VI

CONCLUSION AND RECOMMENDATIONS

Since 2017, Lebanon's exports have been steadily increasing, and the country has the ability to sell some of its important goods globally at a profit. Agricultural-based products are now more popular than specialized and complex products. In this situation, it gives the country the possibility to concentrate on the added value of these agriculturally based products, which don't necessarily require sophisticated or advanced manufacturing procedures. Instead, it is important to carefully consider export marketing to strategically match market trends with Lebanon's agricultural-based exports.

As a result, this offers the chance for Lebanon to expand on evident trends. Utilizing export routes to nearby Middle Eastern markets first. In comparison to nearby Middle Eastern markets, Lebanon's productions clearly have a competitive edge. Countries such as Saudi Arabia, Egypt, Kuwait, Iraq, and Jordan have a very high untapped export potential which Lebanon can utilize to improve their trade and generate correct trade policies accordingly. Another trend to capitalize on is utilizing untapped export potential in various products for different countries. As we have discussed in earlier sections, Lebanon has an increasingly high untapped export potential which has not been utilized throughout the years and does not required complex production. The difficulties preventing access to prospective markets must also be addressed in the drive to strengthen Lebanon's export sector. Therefore, trade agreements that allow access and are free from political unrest and conflict should be added to assistance for competitive industries. Support should also eliminate bureaucratic and administrative

red tape that impedes the sector's growth. It is Lebanon's duty to enhance its trade balance by taking advantage of the present agricultural-based export trend.

However, utilizing Lebanon's current trend of relying on agriculturally based exports should serve as a short to medium term plan as the primary objective is to shift towards more added value products and manufacture more specialized products that can compete in export markets as they have been shown to in the past.

Exporting value-added products, such as finished goods or products that have undergone some processing, can be more beneficial for a country's economy. These types of exports generally have a higher value per unit and can generate more income for the country. As revealed in similar RCA-related studies conducted for Lebanon by the Lebanese Center for Policy Studies (LCPS), exporting value-added products and developing export strategies can also create more jobs within the country, as the production and processing of these goods requires more labor. However, exporting value-added products can also be more challenging because it requires a more advanced level of production and can be more expensive, which in the case of Lebanon is not a very easy task as reforms are still pending and trust needs to be re-built.

APPENDIX

Table 3: List of All Products with RCA Greater Than 1 in 2021 Compared With Their Value in 2017

HS2 Code and Label	HS6 Code	Product label at HS6	RCA 2017	RCA 2021
01Live animals	010410	Live sheep	21.7	108.6
01Live animals	010639	Live birds (excluding birds of prey, psittaciformes, parrots, parrakeets, macaws, cockatoos, ...)	13.6	33.5
01Live animals	010641	Live bees	3.2	4.3
03Fish and crustaceans, molluscs and other aquatic invertebrates	030211	"Fresh or chilled trout ""Salmo trutta, Oncorhynchus mykiss, Oncorhynchus clarki, Oncorhynchus ..."	5.5	1.7
04Dairy produce; birds' eggs; natural honey; edible products of animal origin, not elsewhere ...	040790	Birds' eggs, in shell, preserved or cooked	23.2	4.1
04Dairy produce; birds' eggs; natural honey; edible products of animal origin, not elsewhere ...	040900	Natural honey	3.2	1.8
04Dairy produce; birds' eggs; natural honey; edible products of animal origin, not elsewhere ...	040390	Buttermilk, curdled milk and cream, kefir and other fermented or acidified milk and cream, ...	1.7	1.1
04Dairy produce; birds' eggs; natural honey; edible products of animal origin, not elsewhere ...	040140	Milk and cream of a fat content by weight of > 6% but <= 10%, not concentrated nor containing ...	2.3	1.0
05Products of animal origin, not elsewhere specified or included	050400	Guts, bladders and stomachs of animals (other than fish), whole and pieces thereof, fresh, ...	4.1	3.2
07Edible vegetables and certain roots and tubers	071010	Potatoes, uncooked or cooked by steaming or by boiling in water, frozen	4.7	32.6

07Edible vegetables and certain roots and tubers	070890	"Fresh or chilled leguminous vegetables, shelled or unshelled (excluding peas ""Pisum sativum"" ...	27.5	27.3
07Edible vegetables and certain roots and tubers	070190	Fresh or chilled potatoes (excluding seed)	55.3	21.4
07Edible vegetables and certain roots and tubers	070511	Fresh or chilled cabbage lettuce	66.4	14.3
07Edible vegetables and certain roots and tubers	070991	Fresh or chilled globe artichokes	1.1	9.7
07Edible vegetables and certain roots and tubers	070999	Fresh or chilled vegetables n.e.s.	4.5	6.5
07Edible vegetables and certain roots and tubers	071120	Olives, provisionally preserved, e.g. by sulphur dioxide gas, in brine, in sulphur water or ...	4.9	6.1
07Edible vegetables and certain roots and tubers	070992	Fresh or chilled olives	1.6	4.1
07Edible vegetables and certain roots and tubers	070820	"Fresh or chilled beans ""Vigna spp., Phaseolus spp."", shelled or unshelled"	1.5	4.1
07Edible vegetables and certain roots and tubers	071339	"Dried, shelled beans ""Vigna and Phaseolus""", whether or not skinned or split (excluding beans ...	15.1	4.1
07Edible vegetables and certain roots and tubers	070930	"Fresh or chilled aubergines ""eggplants"""	5.5	3.5
07Edible vegetables and certain roots and tubers	070310	Fresh or chilled onions and shallots	2.4	3.0
07Edible vegetables and certain roots and tubers	070993	"Fresh or chilled pumpkins, squash and gourds ""Cucurbita spp."""	2.7	2.8
07Edible vegetables and certain roots and tubers	070521	Fresh or chilled witloof chicory	1.5	2.7
07Edible vegetables and certain roots and tubers	070690	Fresh or chilled salad beetroot, salsify, celeriac, radishes and similar edible roots (excluding ...	1.8	1.6
07Edible vegetables and certain roots and tubers	071140	Cucumbers and gherkins provisionally preserved, e.g. by sulphur dioxide gas, in brine, in sulphur ...	6.8	1.4
07Edible vegetables and certain roots and tubers	071350	"Dried, shelled broad beans ""Vicia faba var.	21.9	1.4

		major"" and horse beans ""Vicia faba var. equina ...		
07Edible vegetables and certain roots and tubers	071159	"Mushrooms and truffles, provisionally preserved, e.g., by sulphur dioxide gas, in brine, in ...	1.1	1.3
07Edible vegetables and certain roots and tubers	070700	Cucumbers and gherkins, fresh or chilled	1.0	1.2
08Edible fruit and nuts; peel of citrus fruit or melons	080610	Fresh grapes	7.1	129.0
08Edible fruit and nuts; peel of citrus fruit or melons	080940	Fresh plums and sloes	14.5	95.9
08Edible fruit and nuts; peel of citrus fruit or melons	081070	Fresh persimmons	5.4	67.2
08Edible fruit and nuts; peel of citrus fruit or melons	080590	"Fresh or dried citrus fruit (excluding oranges, lemons ""Citrus limon, Citrus limonum"", limes ...	65.9	63.7
08Edible fruit and nuts; peel of citrus fruit or melons	080921	"Fresh sour cherries ""Prunus cerasus"""	15.4	61.3
08Edible fruit and nuts; peel of citrus fruit or melons	080910	Fresh apricots	9.7	22.8
08Edible fruit and nuts; peel of citrus fruit or melons	080810	Fresh apples	11.9	16.6
08Edible fruit and nuts; peel of citrus fruit or melons	080930	Fresh peaches, incl. nectarines	6.4	16.0
08Edible fruit and nuts; peel of citrus fruit or melons	080830	Fresh pears	4.7	15.1
08Edible fruit and nuts; peel of citrus fruit or melons	080510	Fresh or dried oranges	9.4	14.3
08Edible fruit and nuts; peel of citrus fruit or melons	080390	Fresh or dried bananas (excluding plantains)	7.7	11.7
08Edible fruit and nuts; peel of citrus fruit or melons	081090	"Fresh tamarinds, cashew apples, jackfruit, lychees, sapodillo plums, passion fruit, carambola, ...	4.3	10.5

08Edible fruit and nuts; peel of citrus fruit or melons	080420	Fresh or dried figs	2.5	8.7
08Edible fruit and nuts; peel of citrus fruit or melons	080522	Fresh or dried clementines incl. monreales	2.7	7.9
08Edible fruit and nuts; peel of citrus fruit or melons	080540	Fresh or dried grapefruit	3.0	7.7
08Edible fruit and nuts; peel of citrus fruit or melons	080929	Fresh cherries (excluding sour cherries)	7.7	5.6
08Edible fruit and nuts; peel of citrus fruit or melons	080410	Fresh or dried dates	4.8	4.5
08Edible fruit and nuts; peel of citrus fruit or melons	080211	Fresh or dried almonds in shell	1.6	2.4
08Edible fruit and nuts; peel of citrus fruit or melons	080550	"Fresh or dried lemons ""Citrus limon, Citrus limonum"" and limes ""Citrus aurantifolia, Citrus ..."	1.7	2.4
08Edible fruit and nuts; peel of citrus fruit or melons	080252	Fresh or dried pistachios, shelled	5.1	1.7
08Edible fruit and nuts; peel of citrus fruit or melons	080241	"Fresh or dried chestnuts ""Castanea spp."", in shell"	2.2	1.4
08Edible fruit and nuts; peel of citrus fruit or melons	081350	Mixtures of nuts or dried fruits	3.8	1.1
09Coffee, tea, maté and spices	090190	Coffee husks and skins; coffee substitutes containing coffee in any proportion	640.0	89.8
09Coffee, tea, maté and spices	091099	"Spices (excluding pepper of the genus Piper, fruit of the genus Capsicum or of the genus Pimenta, ...	47.5	45.9
09Coffee, tea, maté and spices	091091	Mixtures of different types of spices	80.1	38.2
09Coffee, tea, maté and spices	090121	Roasted coffee (excluding decaffeinated)	5.9	6.9
09Coffee, tea, maté and spices	090932	Cumin seeds, crushed or ground	1.0	4.6
09Coffee, tea, maté and spices	090520	Vanilla, crushed or ground	1.3	2.6

09Coffee, tea, maté and spices	090412	Pepper of the genus <i>Piper</i> , crushed or ground	1.5	2.0
09Coffee, tea, maté and spices	090300	Mate	6.7	1.0
10Cereals	100630	Semi-milled or wholly milled rice, whether or not polished or glazed	1.4	3.9
10Cereals	100119	Durum wheat (excluding seed for sowing)	1.3	1.8
11Products of the milling industry; malt; starches; inulin; wheat gluten	110520	Flakes, granules and pellets of potatoes	97.8	48.8
11Products of the milling industry; malt; starches; inulin; wheat gluten	110510	Flour, meal and powder of potatoes	3.1	6.1
11Products of the milling industry; malt; starches; inulin; wheat gluten	110313	"Groats and meal of maize ""corn"""	11.4	5.1
11Products of the milling industry; malt; starches; inulin; wheat gluten	110319	Groats and meal of cereals (excluding wheat and maize)	2.2	3.3
11Products of the milling industry; malt; starches; inulin; wheat gluten	110311	Groats and meal of wheat	8.2	2.9
11Products of the milling industry; malt; starches; inulin; wheat gluten	110819	Starch (excluding wheat, maize, potato and manioc)	3.7	1.2
12Oil seeds and oleaginous fruits; miscellaneous grains, seeds and fruit; industrial or medicinal ...	120999	Seeds, fruits and spores, for sowing (excluding leguminous vegetables and sweetcorn, coffee, ...	4.1	31.0
12Oil seeds and oleaginous fruits; miscellaneous grains, seeds and fruit; industrial or medicinal ...	121299	Fruit stones and kernels and other vegetable products, incl. unroasted chicory roots of the ...	4.5	26.9
12Oil seeds and oleaginous fruits; miscellaneous grains, seeds and fruit; industrial or medicinal ...	121292	"Locust beans ""carob""", fresh, chilled, frozen or dried, whether or not ground"	29.2	26.9
12Oil seeds and oleaginous fruits; miscellaneous grains, seeds and fruit; industrial or medicinal ...	121190	Plants, parts of plants, incl. seeds and fruits, used primarily in perfumery, in pharmacy or ...	1.0	2.5

12Oil seeds and oleaginous fruits; miscellaneous grains, seeds and fruit; industrial or medicinal ...	120890	Flours and meal of oil seeds or oleaginous fruit (excluding soya and mustard)	1.3	2.2
15Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal ...	150990	Olive oil and fractions obtained from the fruit of the olive tree solely by mechanical or other ...	43.0	28.1
15Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal ...	151550	Sesame oil and its fractions, whether or not refined, but not chemically modified	6.4	17.5
15Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal ...	150910	Virgin olive oil and its fractions obtained from the fruit of the olive tree solely by mechanical ...	12.1	7.9
15Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal ...	151529	Maize oil and fractions thereof, whether or not refined, but not chemically modified (excluding ...	4.7	3.6
15Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal ...	151800	Animal or vegetable fats and oils and their fractions, boiled, oxidised, dehydrated, sulphurised, ...	15.8	3.2
15Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal ...	151219	Sunflower-seed or safflower oil and their fractions, whether or not refined, but not chemically ...	5.4	2.8
15Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal ...	151610	Animal fats and oils and their fractions, partly or wholly hydrogenated, inter-esterified, ...	1.8	2.2
16Preparations of meat, of fish or of crustaceans, molluscs or other aquatic invertebrates	160250	Prepared or preserved meat or offal of bovine animals (excluding sausages and similar products, ...	17.7	7.9
16Preparations of meat, of fish or of crustaceans,	160239	Prepared or preserved meat or meat offal of ducks, geese and guinea	1.9	7.7

molluscs or other aquatic invertebrates		fowl of the species <i>domesticus</i> ...		
16Preparations of meat, of fish or of crustaceans, molluscs or other aquatic invertebrates	160290	Prepared or preserved meat, offal, blood or insects (excl. meat or offal of poultry, swine ...)	4.3	4.0
16Preparations of meat, of fish or of crustaceans, molluscs or other aquatic invertebrates	160231	"Meat or offal of turkeys "" <i>Gallus domesticus</i> "", prepared or preserved (excluding sausages ...)	15.7	3.5
16Preparations of meat, of fish or of crustaceans, molluscs or other aquatic invertebrates	160232	"Meat or offal of fowls of the species "" <i>Gallus domesticus</i> "", prepared or preserved (excluding ...)	5.2	2.0
17Sugars and sugar confectionery	170490	Sugar confectionery not containing cocoa, incl. white chocolate (excl. chewing gum)	7.6	4.8
17Sugars and sugar confectionery	170410	Chewing gum, whether or not sugar-coated	1.6	2.5
17Sugars and sugar confectionery	170199	Cane or beet sugar and chemically pure sucrose, in solid form (excluding cane and beet sugar ...)	23.6	1.1
18Cocoa and cocoa preparations	180631	Chocolate and other preparations containing cocoa, in blocks, slabs or bars of <= 2 kg, filled	23.0	11.1
18Cocoa and cocoa preparations	180690	Chocolate and other preparations containing cocoa, in containers or immediate packings of <= ...	8.9	7.7
19Preparations of cereals, flour, starch or milk; pastrycooks' products	190430	Bulgur wheat in the form of worked grains, obtained by cooking hard wheat grains	59.2	30.0
19Preparations of cereals, flour, starch or milk; pastrycooks' products	190240	Couscous, whether or not prepared	24.6	19.6
19Preparations of cereals, flour, starch or milk; pastrycooks' products	190490	Cereals (excl. maize [corn]) in grain or flake form or other worked grains, pre-cooked or otherwise ...	3.0	9.3
19Preparations of cereals, flour, starch or milk; pastrycooks' products	190410	Prepared foods obtained by swelling or roasting	13.0	5.7

		cereals or cereal products, e.g. corn flakes		
19Preparations of cereals, flour, starch or milk; pastrycooks' products	190219	Uncooked pasta, not stuffed or otherwise prepared, not containing eggs	19.0	4.7
19Preparations of cereals, flour, starch or milk; pastrycooks' products	190540	Rusks, toasted bread and similar toasted products	4.8	4.2
19Preparations of cereals, flour, starch or milk; pastrycooks' products	190120	Mixes and doughs of flour, groats, meal, starch or malt extract, not containing cocoa or containing ...	2.1	2.5
19Preparations of cereals, flour, starch or milk; pastrycooks' products	190590	Bread, pastry, cakes, biscuits and other bakers' wares, whether or not containing cocoa; communion ...	2.7	2.3
19Preparations of cereals, flour, starch or milk; pastrycooks' products	190531	Sweet biscuits	4.0	2.0
19Preparations of cereals, flour, starch or milk; pastrycooks' products	190220	Pasta, stuffed with meat or other substances, whether or not cooked or otherwise prepared	2.2	1.3
20Preparations of vegetables, fruit, nuts or other parts of plants	200559	"Unshelled beans ""Vigna spp., Phaseolus spp."", prepared or preserved otherwise than by vinegar ...	71.4	49.8
20Preparations of vegetables, fruit, nuts or other parts of plants	200190	Vegetables, fruit, nuts and other edible parts of plants, prepared or preserved by vinegar ...	58.9	43.9
20Preparations of vegetables, fruit, nuts or other parts of plants	200819	Nuts and other seeds, incl. mixtures, prepared or preserved (excluding prepared or preserved ...)	59.0	26.4
20Preparations of vegetables, fruit, nuts or other parts of plants	200799	Jams, jellies, marmalades, purées or pastes of fruit, obtained by cooking, whether or not containing ...	38.0	25.7
20Preparations of vegetables, fruit, nuts or other parts of plants	200599	"Vegetables and mixtures of vegetables, prepared or preserved otherwise than by vinegar, non-frozen ...	27.7	25.4

20Preparations of vegetables, fruit, nuts or other parts of plants	200110	Cucumbers and gherkins, prepared or preserved by vinegar or acetic acid	24.2	17.7
20Preparations of vegetables, fruit, nuts or other parts of plants	200570	Olives, prepared or preserved otherwise than by vinegar or acetic acid (excluding frozen)	12.4	9.7
20Preparations of vegetables, fruit, nuts or other parts of plants	200911	Frozen orange juice, unfermented, whether or not containing added sugar or other sweetening ...	2.7	9.6
20Preparations of vegetables, fruit, nuts or other parts of plants	200520	Potatoes, prepared or preserved otherwise than by vinegar or acetic acid (excluding frozen)	2.2	8.7
20Preparations of vegetables, fruit, nuts or other parts of plants	200897	Mixtures of fruits, nuts and other edible parts of plants, prepared or preserved, whether or ...	3.8	8.4
20Preparations of vegetables, fruit, nuts or other parts of plants	200929	Grapefruit juice, unfermented, Brix value > 20 at 20°C, whether or not containing added sugar ...	2.3	7.1
20Preparations of vegetables, fruit, nuts or other parts of plants	200899	Fruit and other edible parts of plants, prepared or preserved, whether or not containing added ...	7.7	4.7
20Preparations of vegetables, fruit, nuts or other parts of plants	200990	Mixtures of fruit juices, incl. grape must, and vegetable juices, unfermented, whether or not ...	1.6	4.3
20Preparations of vegetables, fruit, nuts or other parts of plants	200989	Juice of fruit or vegetables, unfermented, whether or not containing added sugar or other sweetening ...	1.1	3.8
20Preparations of vegetables, fruit, nuts or other parts of plants	200939	Single citrus fruit juice, unfermented, Brix value > 20 at 20°C, whether or not containing ...	1.0	2.0
20Preparations of vegetables, fruit, nuts or other parts of plants	200510	Homogenised vegetables put up for retail sale as infant food or for dietetic purposes, in containers ...	11.4	1.9

20Preparations of vegetables, fruit, nuts or other parts of plants	200490	Vegetables and mixtures of vegetables, prepared or preserved otherwise than by vinegar or acetic ...	2.3	1.1
21Miscellaneous edible preparations	210390	Preparations for sauces and prepared sauces; mixed condiments and seasonings (excluding soya ...	22.4	16.6
21Miscellaneous edible preparations	210320	Tomato ketchup and other tomato sauces	13.8	6.4
21Miscellaneous edible preparations	210420	Food preparations consisting of finely homogenised mixtures of two or more basic ingredients, ...	14.6	3.1
21Miscellaneous edible preparations	210230	Prepared baking powders	3.1	2.4
21Miscellaneous edible preparations	210690	Food preparations, n.e.s.	8.7	1.9
21Miscellaneous edible preparations	210410	Soups and broths and preparations therefor	1.2	1.2
22Beverages, spirits and vinegar	220210	Waters, incl. mineral and aerated, with added sugar, sweetener or flavour, for direct consumption ...	12.7	13.8
22Beverages, spirits and vinegar	220291	Non-alcoholic beer <= 0.5% vol alc	3.7	13.4
22Beverages, spirits and vinegar	220900	Vinegar, fermented vinegar and substitutes for vinegar obtained from acetic acid	14.8	11.7
22Beverages, spirits and vinegar	220110	Mineral waters and aerated waters, not containing added sugar, other sweetening matter or flavoured	10.5	7.4
22Beverages, spirits and vinegar	220890	Ethyl alcohol of an alcoholic strength of < 80% vol, not denatured; spirits and other spirituous ...	7.6	6.2
22Beverages, spirits and vinegar	220299	Non-alcoholic beverages (excl. water, fruit or vegetable juices, milk and beer)	4.2	5.9
22Beverages, spirits and vinegar	220421	Wine of fresh grapes, incl. fortified wines, and grape	4.1	4.5

		must whose fermentation has been arrested ...		
22Beverages, spirits and vinegar	220860	Vodka	1.5	4.1
22Beverages, spirits and vinegar	220429	Wine of fresh grapes, incl. fortified wines, and grape must whose fermentation has been arrested ...	2.3	1.4
22Beverages, spirits and vinegar	220300	Beer made from malt	2.1	1.0
23Residues and waste from the food industries; prepared animal fodder	230230	Bran, sharps and other residues of wheat, whether or not in the form of pellets, derived from ...	1.6	1.4
24Tobacco and manufactured tobacco substitutes	240110	Tobacco, unstemmed or unstripped	90.7	65.7
24Tobacco and manufactured tobacco substitutes	240311	Water-pipe tobacco (excluding tobacco-free. See subheading note 1.)	1.2	5.5
24Tobacco and manufactured tobacco substitutes	240130	Tobacco refuse	2.7	2.0
25Salt; sulphur; earths and stone; plastering materials, lime and cement	251512	Marble and travertine, merely cut, by sawing or otherwise, into blocks or slabs of a square ...	2.2	4.3
25Salt; sulphur; earths and stone; plastering materials, lime and cement	251520	Ecaussine and other calcareous monumental or building stone of an apparent specific gravity ...	1.3	2.5
27Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral ...	271099	Waste oils containing mainly petroleum or bituminous minerals (excluding those containing polychlorinated ...)	3.2	9.8
27Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral ...	270220	Agglomerated lignite (excluding jet)	6.8	15.1
27Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral ...	270120	Briquettes, ovoids and similar solid fuels manufactured from coal	1.2	3.7
28Inorganic chemicals; organic or inorganic	280920	Phosphoric acid; polyphosphoric acids,	27.7	50.0

compounds of precious metals, of rare-earth metals, ...		whether or not chemically defined		
28Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, ...	281121	Carbon dioxide	13.3	11.3
28Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, ...	283322	Sulphate of aluminium	14.8	20.8
28Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, ...	282110	Iron oxides and hydroxides	2.3	1.0
28Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, ...	280511	Sodium	2.1	3.1
29Organic chemicals	291814	Citric acid	13.9	1.4
29Organic chemicals	291829	Carboxylic acids with phenol function but without other oxygen function, their anhydrides, ...	1.1	1.2
29Organic chemicals	290323	"Tetrachloroethylene ""perchloroethylene"""	1.7	3.5
30Pharmaceutical products	300692	Waste pharmaceuticals	948.1	1109.0
31Fertilisers	310311	"Superphosphates containing by weight => 35 % of diphosphorus pentaoxide ""P2O5"" (excl. such ...)	275.7	233.1
32Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring ...	320820	Paints and varnishes, incl. enamels and lacquers, based on acrylic or vinyl polymers, dispersed ...	21.4	13.2
32Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring ...	320890	Paints and varnishes based, incl. enamels and lacquers, on synthetic polymers or chemically ...	3.4	4.1

32Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring ...	320990	Paints and varnishes, incl. enamels and lacquers, based on synthetic or chemically modified ...	9.6	5.6
32Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring ...	321519	Printing ink, whether or not concentrated or solid (excluding black ink)	1.2	3.0
32Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring ...	321410	Glaziers' putty, grafting putty, resin cements, caulking compounds and other mastics; painters' ...	5.0	1.8
32Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring ...	321490	Non-refractory surfacing preparations for facades, inside walls, floors, ceilings and the like	3.8	2.7
32Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring ...	320649	Inorganic or mineral colouring matter, n.e.s.; preparations based on inorganic or mineral colouring ...	3.5	1.4
32Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring ...	320910	Paints and varnishes, incl. enamels and lacquers, based on acrylic or vinyl polymers, dispersed ...	2.9	1.2
32Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring ...	321290	Pigments, incl. metallic powders and flakes, dispersed in non-aqueous media, in liquid or paste ...	5.8	2.1
32Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring ...	320620	Pigments and preparations of a kind used for colouring any material or used as ingredients ...	20.0	21.9
32Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring ...	321100	Prepared driers	6.8	5.1
32Tanning or dyeing extracts; tannins and their derivatives; dyes,	321000	Paints and varnishes, incl. enamels, lacquers and distempers (excluding	1.6	1.3

pigments and other colouring ...		those based on synthetic ...		
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330499	Beauty or make-up preparations and preparations for the care of the skin (other than medicaments), ...	4.8	2.2
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330300	Perfumes and toilet waters (excluding aftershave lotions, personal deodorants and hair lotions)	15.0	3.9
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330590	Preparations for use on the hair (excluding shampoos, preparations for permanent waving or ...)	17.5	8.2
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330190	Extracted oleoresins; concentrates of essential oils in fats, fixed oils, waxes and the like, ...	37.5	31.5
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330720	Personal deodorants and antiperspirants	3.4	11.9
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330520	Preparations for permanent waving or straightening	287.0	249.4
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330510	Shampoos	5.2	6.7
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330749	Preparations for perfuming or deodorising rooms, incl. odoriferous preparations used during ...	3.9	3.8
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330790	Depilatories and other perfumery, toilet or cosmetic preparations, n.e.s.	2.6	1.6
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330410	Lip make-up preparations	1.6	1.0
33Essential oils and resinoids; perfumery,	330430	Manicure or pedicure preparations	2.7	1.4

cosmetic or toilet preparations				
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330730	Perfumed bath salts and other bath and shower preparations	1.1	1.6
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330710	Shaving preparations, incl. pre-shave and aftershave products	2.8	1.4
33Essential oils and resinoids; perfumery, cosmetic or toilet preparations	330530	Hair lacquers	3.5	1.5
34Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial ...	340220	Surface-active preparations, washing preparations, auxiliary washing preparations and cleaning ...	1.5	3.5
34Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial ...	340119	Soap and organic surface-active products and preparations, in the form of bars, cakes, moulded ...	28.0	10.5
34Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial ...	340290	Surface-active preparations, washing preparations, incl. auxiliary washing preparations and ...	1.1	1.8
34Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial ...	340130	Organic surface-active products and preparations for washing the skin, in the form of liquid ...	1.8	1.5
34Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial ...	340111	Soap and organic surface-active products and preparations, in the form of bars, cakes, moulded ...	1.8	2.3
34Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial ...	340211	Anionic organic surface-active agents, whether or not put up for retail sale (excluding soap)	3.8	1.1
34Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial ...	340540	Scouring pastes and powders and other scouring preparations, whether or not in the form of ...	18.9	2.0
38Miscellaneous chemical products	381400	Organic composite solvents and thinners, n.e.s.; prepared paint or	6.1	5.2

		varnish removers (excluding ...)		
38Miscellaneous chemical products	382440	Prepared additives for cements, mortars or concretes	2.2	1.7
38Miscellaneous chemical products	382479	Mixtures containing halogenated derivatives of methane, ethane or propane (excluding those ...)	8.6	29.9
39Plastics and articles thereof	392010	Plates, sheets, film, foil and strip, of non-cellular polymers of ethylene, not reinforced, ...	5.9	3.8
39Plastics and articles thereof	392410	Tableware and kitchenware, of plastics	6.4	3.5
39Plastics and articles thereof	391990	Self-adhesive plates, sheets, film, foil, tape, strip and other flat shapes, of plastics, whether ...	1.0	2.4
39Plastics and articles thereof	392310	Boxes, cases, crates and similar articles for the conveyance or packaging of goods, of plastics	4.6	3.3
39Plastics and articles thereof	392020	Plates, sheets, film, foil and strip, of non-cellular polymers of ethylene, not reinforced, ...	5.5	3.2
39Plastics and articles thereof	392321	Sacks and bags, incl. cones, of polymers of ethylene	2.9	2.3
39Plastics and articles thereof	391510	Waste, parings and scrap, of polymers of ethylene	4.4	16.6
39Plastics and articles thereof	392099	Plates, sheets, film, foil and strip, of non-cellular plastics, n.e.s., not reinforced, laminated, ...	1.2	2.7
39Plastics and articles thereof	392329	Sacks and bags, incl. cones, of plastics (excluding those of polymers of ethylene)	10.6	2.7
39Plastics and articles thereof	392330	Carboys, bottles, flasks and similar articles for the conveyance or packaging of goods, of ...	3.2	1.2
39Plastics and articles thereof	392490	Household articles and toilet articles, of plastics	1.4	1.0

		(excluding tableware, kitchenware, baths, ...)		
39Plastics and articles thereof	392043	Plates, sheets, film, foil and strip, of non-cellular polymers of vinyl chloride, containing ...	5.9	3.5
39Plastics and articles thereof	391590	Waste, parings and scrap of plastics (excluding that of polymers of ethylene, styrene and vinyl ...)	5.3	5.8
39Plastics and articles thereof	392069	Plates, sheets, film, foil and strip, of non-cellular polyesters, not reinforced, laminated, ...	6.9	6.4
39Plastics and articles thereof	392049	Plates, sheets, film, foil and strip, of non-cellular polymers of vinyl chloride, containing ...	2.4	2.3
39Plastics and articles thereof	390190	Polymers of ethylene, in primary forms (excluding polyethylene and ethylene-vinyl acetate ...)	7.4	1.0
39Plastics and articles thereof	391739	Flexible tubes, pipes and hoses, of plastics, reinforced or otherwise combined with other materials ...	2.1	1.0
39Plastics and articles thereof	391239	Cellulose ethers, in primary forms (excluding carboxymethylcellulose and its salts)	3.1	1.4
39Plastics and articles thereof	390750	Alkyd resins, in primary forms	27.1	3.3
39Plastics and articles thereof	391729	Rigid tubes, pipes and hoses, of plastics (excluding those of polymers of ethylene, propylene ...)	1.9	1.2
39Plastics and articles thereof	390512	"Poly""vinyl acetate""", in aqueous dispersion"	4.1	1.8
39Plastics and articles thereof	391220	Cellulose nitrates, incl. collodions, in primary forms	1.1	1.1
40Rubber and articles thereof	401211	"Retreaded pneumatic tyres, of rubber, of a kind used on motor cars ""incl. station wagons ...	5.1	15.0

40Rubber and articles thereof	401130	New pneumatic tyres, of rubber, of a kind used for aircraft	2.8	1.4
41Raw hides and skins (other than furskins) and leather	410150	"Whole raw hides and skins of bovine ""incl. buffalo"" or equine animals, whether or not dehaired ...	3.0	2.9
41Raw hides and skins (other than furskins) and leather	410719	"Leather ""incl. parchment-dressed leather"" of the whole hides and skins of bovine ""incl. ...	3.1	5.3
41Raw hides and skins (other than furskins) and leather	410210	Raw skins of sheep or lambs, with wool on, fresh or salted, dried, limed, pickled or otherwise ...	1.0	5.0
41Raw hides and skins (other than furskins) and leather	410229	Raw skins of sheep or lambs, without wool on, fresh or salted, dried, limed or otherwise preserved, ...	100.3	100.2
42Articles of leather; saddlery and harness; travel goods, handbags and similar containers; articles ...	420330	Belts and bandoliers, of leather or composition leather	3.5	2.7
42Articles of leather; saddlery and harness; travel goods, handbags and similar containers; articles ...	420299	Travelling-bags, shopping or tool bags, jewellery boxes, cutlery cases and similar, with outer ...	10.1	6.4
42Articles of leather; saddlery and harness; travel goods, handbags and similar containers; articles ...	420500	Articles of leather or composition leather (excluding saddlery and harness bags; cases and ...	2.0	1.5
42Articles of leather; saddlery and harness; travel goods, handbags and similar containers; articles ...	420219	Trunks, suitcases, vanity cases, executive-cases, briefcases, school satchels and similar containers ...	4.3	6.3
44Wood and articles of wood; wood charcoal	441820	Doors and their frames and thresholds, of wood	4.6	3.1
44Wood and articles of wood; wood charcoal	441899	Builders' joinery and carpentry, of wood (excl. of bamboo, windows,	1.5	2.2

		French windows and their ...		
44Wood and articles of wood; wood charcoal	442090	Wood marquetry and inlaid wood; caskets and cases for jewellery or cutlery, and similar articles, ...	5.2	9.5
44Wood and articles of wood; wood charcoal	440799	"Wood, sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, ...	1.4	1.4
44Wood and articles of wood; wood charcoal	441090	Board of bagasse, bamboo or cereal straw particles or other ligneous materials, whether or ...	3.4	8.4
44Wood and articles of wood; wood charcoal	441210	Plywood, veneered panel and similar laminated wood, of bamboo, not containing particle board ...	10.2	13.7
44Wood and articles of wood; wood charcoal	441879	Flooring panels, assembled, of wood (excluding multilayer panels and flooring panels for mosaic ...)	5.1	2.1
44Wood and articles of wood; wood charcoal	441019	Waferboard and similar board, of wood, whether or not agglomerated with resins or other organic ...	4.3	2.3
44Wood and articles of wood; wood charcoal	440728	Iroko, sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, ...	86.7	4.6
45Cork and articles of cork	450490	Agglomerated cork, with or without a binding substance, and articles of agglomerated cork (excluding ...)	4.3	4.3
45Cork and articles of cork	450390	Articles of natural cork (excluding cork in square or rectangular blocks, plates, sheets or ...)	1.6	3.5
46Manufactures of straw, of esparto or of other plaiting materials;	460290	Basketwork, wickerwork and other articles, made directly to shape from non-vegetable plaiting ...	3.3	1.4

basketware and wickerwork				
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	481910	Cartons, boxes and cases, of corrugated paper or paperboard	6.4	3.4
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	481940	Sacks and bags, incl. cones, of paper, paperboard, cellulose wadding or webs of cellulose fibres ...	11.3	6.0
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	481920	Folding cartons, boxes and cases, of non-corrugated paper or paperboard	3.3	2.6
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	480700	"Composite paper and paperboard made by sticking flat layers of paper or paperboard together ...	13.8	26.8
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	482010	Registers, account books, notebooks, order books, receipt books, letter pads, memorandum pads, ...	11.7	6.8
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	480255	Uncoated paper and paperboard, of a kind used for writing, printing or other graphic purposes, ...	1.1	3.0
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	481930	Sacks and bags, of paper, paperboard, cellulose wadding or webs of cellulose fibres, having ...	21.2	11.0
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	481820	Handkerchiefs, cleansing or facial tissues and towels, of paper pulp, paper, cellulose wadding ...	2.3	2.4
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	482190	Paper or paperboard labels of all kinds, non-printed	5.5	8.8
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	482020	Exercise books of paper or paperboard	36.6	19.4
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	482290	Bobbins, spools, cops and similar supports of paper pulp, paper or paperboard, whether or not ...	48.6	20.7

48Paper and paperboard; articles of paper pulp, of paper or of paperboard	482090	Blotting pads and similar articles of stationery, of paper and paperboard, and book covers ...	21.9	26.8
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	481310	Cigarette paper in the form of booklets or tubes	14.4	6.8
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	482369	Trays, dishes, plates, cups and the like, of paper or paperboard (excluding of bamboo paper ...)	1.5	1.6
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	481160	Paper and paperboard, coated, impregnated or covered with wax, paraffin wax, stearin, oil or ...	16.1	6.2
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	481099	"Paper and paperboard, coated on one or both sides with kaolin ""China clay"" or other inorganic ...	3.1	5.3
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	480269	Uncoated paper and paperboard, of a kind used for writing, printing or other graphic purposes, ...	2.0	9.7
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	482030	Binders (other than book covers), folders and file covers, of paper or paperboard	3.8	1.1
48Paper and paperboard; articles of paper pulp, of paper or of paperboard	481149	Gummed or adhesive paper and paperboard, surface-coloured, surface-decorated or printed, in ...	1.5	1.1
49Printed books, newspapers, pictures and other products of the printing industry; manuscripts, ...	490199	Printed books, brochures and similar printed matter (excluding those in single sheets; dictionaries, ...)	29.9	11.0
49Printed books, newspapers, pictures and other products of the printing industry; manuscripts, ...	490700	Unused postage, revenue or similar stamps of current or new issue in the country in which they ...	7.0	14.6
49Printed books, newspapers, pictures and other products of the printing industry; manuscripts, ...	490600	Plans and drawings for architectural, engineering, industrial, commercial, topographical or ...	15.8	31.2

52Cotton	521019	Woven fabrics of cotton, containing predominantly, but < 85% cotton by weight, mixed principally ...	1.6	1.8
52Cotton	521225	Woven fabrics of cotton, containing predominantly, but < 85% cotton by weight, other than those ...	2.5	3.8
52Cotton	521151	Plain woven fabrics of cotton, containing predominantly, but < 85% cotton by weight, mixed ...	34.1	1.7
54Man-made filaments; strip and the like of man-made textile materials	540769	Woven fabrics of yarn containing >= 85% by weight of mixtures of textured and non-textured ...	13.3	13.0
55Man-made staple fibres	551519	Woven fabrics containing predominantly, but < 85% polyester staple fibres by weight, other ...	7.7	10.7
55Man-made staple fibres	551419	Woven fabrics containing predominantly, but < 85% synthetic staple fibres by weight, mixed ...	1.2	12.7
55Man-made staple fibres	551429	Woven fabrics containing predominantly, but < 85% synthetic staple fibres by weight, mixed ...	1.0	2.0
55Man-made staple fibres	551449	Woven fabrics containing predominantly, but < 85% synthetic staple fibres by weight, mixed ...	48.0	2.1
55Man-made staple fibres	551319	Woven fabrics containing predominantly, but < 85% synthetic staple fibres by weight, mixed ...	3.0	2.1
56Wadding, felt and nonwovens; special yarns; twine, cordage, ropes and cables and articles thereof	560122	Wadding of man-made fibres and articles thereof (excluding sanitary towels and tampons, napkins ...)	7.6	14.9
56Wadding, felt and nonwovens; special yarns; twine, cordage, ropes and cables and articles thereof	560129	Wadding of textile materials and articles thereof (excluding of cotton or man-made fibres; ...)	152.4	3.0

57Carpets and other textile floor coverings	570500	"Carpets and other textile floor coverings, whether or not made up (excluding knotted, woven ...)	2.2	2.6
57Carpets and other textile floor coverings	570110	Carpets and other textile floor coverings, of wool or fine animal hair, knotted, whether or ...	1.6	4.7
57Carpets and other textile floor coverings	570390	"Carpet tiles of vegetable textile materials or coarse animal hair, tufted ""needle punched""", ...	2.1	2.7
57Carpets and other textile floor coverings	570239	"Carpets and other floor coverings, of vegetable textile materials or coarse animal hair, woven, ...	7.2	11.8
58Special woven fabrics; tufted textile fabrics; lace; tapestries; trimmings; embroidery	580219	Terry towelling and similar woven terry fabrics, of cotton (excluding unbleached, narrow woven ...)	19.3	22.1
58Special woven fabrics; tufted textile fabrics; lace; tapestries; trimmings; embroidery	581092	Embroidery of man-made fibres on a textile fabric base, in the piece, in strips or in motifs ...	2.4	1.0
58Special woven fabrics; tufted textile fabrics; lace; tapestries; trimmings; embroidery	580190	Woven pile fabrics and chenille fabrics (excluding those of man-made fibres, wool or fine animal ...)	9.4	3.8
58Special woven fabrics; tufted textile fabrics; lace; tapestries; trimmings; embroidery	581099	Embroidery of materials other than cotton or man-made fibres, on a textile fabric base, in ...	5.7	1.3
60Knitted or crocheted fabrics	600199	"Pile fabrics, knitted or crocheted (excluding cotton or man-made fibres and ""long pile"" ...	11.4	63.9
60Knitted or crocheted fabrics	600690	"Fabrics, knitted or crocheted, of a width of > 30 cm (excluding of man-made fibres, cotton, ...	2.1	1.2
60Knitted or crocheted fabrics	600390	"Knitted or crocheted fabrics of a width of <= 30 cm (excluding of cotton, man-made fibres, ...	59.8	1.0

61Articles of apparel and clothing accessories, knitted or crocheted	611219	Track-suits of textile materials, knitted or crocheted (excluding cotton or synthetic fibres)	7.3	14.1
61Articles of apparel and clothing accessories, knitted or crocheted	611529	Pantyhose and tights of textile materials, knitted or crocheted (excluding graduated compression ...	3.2	1.7
61Articles of apparel and clothing accessories, knitted or crocheted	610329	Men's or boys' ensembles of textile materials (excluding wool, fine animal hair, cotton or ...	9.0	3.4
62Articles of apparel and clothing accessories, not knitted or crocheted	621139	Men's or boys' tracksuits and other garments, n.e.s. of textile materials (excluding of cotton ...	3.2	33.4
62Articles of apparel and clothing accessories, not knitted or crocheted	620799	Men's or boys' singlets and other vests, bathrobes and dressing gowns of textile materials ...	2.4	24.2
62Articles of apparel and clothing accessories, not knitted or crocheted	620449	Women's or girls' dresses of textile materials (excluding of wool, fine animal hair, cotton ...	20.5	2.6
62Articles of apparel and clothing accessories, not knitted or crocheted	620319	Men's or boys' suits of textile materials (excluding of wool, fine animal hair or synthetic ...	9.4	3.9
62Articles of apparel and clothing accessories, not knitted or crocheted	620990	Babies' garments and clothing accessories of textile materials (excluding of cotton or synthetic ...	2.8	7.8
62Articles of apparel and clothing accessories, not knitted or crocheted	620459	Women's or girls' skirts and divided skirts of textile materials (excluding of wool, fine animal ...	1.3	2.4
62Articles of apparel and clothing accessories, not knitted or crocheted	620590	Men's or boys' shirts of textile materials (excluding of cotton or man-made fibres, knitted ...	2.1	1.3
62Articles of apparel and clothing accessories, not knitted or crocheted	620312	Men's or boys' suits of synthetic fibres (excluding knitted or crocheted, tracksuits, ski suits ...	7.2	1.9

62Articles of apparel and clothing accessories, not knitted or crocheted	620323	Men's or boys' ensembles of synthetic fibres (excluding knitted or crocheted, ski ensembles ...)	4.2	2.3
62Articles of apparel and clothing accessories, not knitted or crocheted	620899	Women's or girls' singlets and other vests, briefs, panties, négligés, bathrobes, dressing ...	3.4	3.3
62Articles of apparel and clothing accessories, not knitted or crocheted	620423	Women's or girls' ensembles of synthetic fibres (excluding knitted or crocheted, ski overalls ...)	6.6	1.1
62Articles of apparel and clothing accessories, not knitted or crocheted	620329	Men's or boys' ensembles of textile materials (excluding of cotton or synthetic fibres, knitted ...)	7.1	2.5
62Articles of apparel and clothing accessories, not knitted or crocheted	620811	Women's or girls' slips and petticoats of man-made fibres (excluding knitted or crocheted and ...)	19.2	11.0
62Articles of apparel and clothing accessories, not knitted or crocheted	620219	Women's or girls' overcoats, raincoats, car coats, capes, cloaks and similar articles, of textile ...	2.7	1.0
62Articles of apparel and clothing accessories, not knitted or crocheted	621590	Ties, bow ties and cravats of textile materials (excluding of silk, silk waste or man-made ...)	3.7	4.3
62Articles of apparel and clothing accessories, not knitted or crocheted	620620	Women's or girls' blouses, shirts and shirt-blouses of wool or fine animal hair (excluding ...)	2.1	1.0
63Other made-up textile articles; sets; worn clothing and worn textile articles; rags	630229	Printed bedlinen of textile materials (excluding cotton and man-made fibres, knitted or crocheted)	26.3	19.4
63Other made-up textile articles; sets; worn clothing and worn textile articles; rags	630190	Blankets and travelling rugs of textile materials (excluding of wool or fine animal hair, cotton ...)	21.8	6.2
63Other made-up textile articles; sets; worn clothing and worn textile articles; rags	630399	Curtains, incl. drapes, and interior blinds, curtain or bed valances of textile materials (excluding ...)	13.5	4.1

63Other made-up textile articles; sets; worn clothing and worn textile articles; rags	630590	Sacks and bags, for the packing of goods, of textile materials (excluding man-made, cotton, ...)	9.6	2.2
63Other made-up textile articles; sets; worn clothing and worn textile articles; rags	630299	Toilet linen and kitchen linen of textile materials (excluding of cotton or man-made fibres, ...)	2.4	1.3
63Other made-up textile articles; sets; worn clothing and worn textile articles; rags	630319	Curtains, incl. drapes, and interior blinds, curtain or bed valances, knitted or crocheted ...	34.9	1.3
68Articles of stone, plaster, cement, asbestos, mica or similar materials	680221	Marble, travertine and alabaster articles thereof, simply cut or sawn, with a flat or even ...	12.6	11.2
68Articles of stone, plaster, cement, asbestos, mica or similar materials	680291	Marble, travertine and alabaster, in any form (excluding tiles, cubes and similar articles ...)	2.4	4.8
68Articles of stone, plaster, cement, asbestos, mica or similar materials	680299	Monumental or building stone, in any form, polished, decorated or otherwise worked (excluding ...)	26.3	10.8
68Articles of stone, plaster, cement, asbestos, mica or similar materials	680919	Boards, sheets, panels, tiles and similar articles, of plaster or compositions based on plaster ...	2.6	6.1
68Articles of stone, plaster, cement, asbestos, mica or similar materials	680229	Monumental or building stone and articles thereof, simply cut or sawn, with a flat or even ...	26.7	8.5
68Articles of stone, plaster, cement, asbestos, mica or similar materials	680210	Tiles, cubes and other processed articles of natural stone, incl. slate, for mosaics and the ...	9.4	3.7
69Ceramic products	690740	Finishing ceramics (excl. refractory)	3.5	7.8
69Ceramic products	691090	Ceramic sinks, washbasins, washbasin pedestals, baths, bidets, water closet pans, flushing ...	2.7	1.5
69Ceramic products	690990	Ceramic troughs, tubs and similar receptacles of a	3.9	13.4

		kind used in agriculture; ceramic pots, ...		
69Ceramic products	691190	Household and toilet articles, of porcelain or china (excluding tableware and kitchenware, ...)	2.2	2.0
70Glass and glassware	700800	Multiple-walled insulating units of glass	2.6	1.2
70Glass and glassware	701310	Glassware of glass ceramics, of a kind used for table, kitchen, toilet, office, indoor decoration ...	6.4	8.4
70Glass and glassware	700729	Laminated safety glass (excluding glass of size and shape suitable for incorporation in motor ...)	1.7	1.0
70Glass and glassware	700100	Cullet and other waste and scrap of glass; glass in the mass (excl. glass in the form of powder, ...)	2.0	1.7
70Glass and glassware	701391	Glassware, of lead crystal, of a kind used for toilet, office, indoor decoration or similar ...	3.0	2.3
70Glass and glassware	701322	Drinking glasses, stemware, of lead crystal	3.9	3.7
71Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad ...	710812	Gold, incl. gold plated with platinum, unwrought, for non-monetary purposes (excluding gold ...)	10.8	7.9
71Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad ...	710231	Non-industrial diamonds unworked or simply sawn, cleaved or bruted (excluding industrial diamonds)	2.0	52.6
71Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad ...	711319	Articles of jewellery and parts thereof, of precious metal other than silver, whether or not ...	3.3	7.4
71Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad ...	710239	Diamonds, worked, but not mounted or set (excluding industrial diamonds)	4.9	1.3
71Natural or cultured pearls, precious or semi-	710391	Rubies, sapphires and emeralds, worked,	18.5	9.1

precious stones, precious metals, metals clad ...		whether or not graded, but not strung, mounted or set, ...		
71Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad ...	710221	Industrial diamonds unworked or simply sawn, cleaved or bruted	1.1	4.2
71Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad ...	711420	Articles of goldsmiths' or silversmiths' wares and parts thereof, of base metal clad with precious ...	50.3	37.7
71Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad ...	711790	Imitation jewellery (excluding jewellery, of base metal, whether or not clad with silver, gold ...	4.1	1.1
72Iron and steel	720410	Waste and scrap, of cast iron (excluding radioactive)	403.5	327.2
72Iron and steel	720429	Waste and scrap of alloy steel (excluding stainless steel, and waste and scrap, radioactive, ...)	1.9	5.9
72Iron and steel	720421	Waste and scrap of stainless steel (excluding radioactive, and waste and scrap of batteries ...)	1.9	1.0
72Iron and steel	720990	"Flat-rolled products of iron or steel, of a width of >= 600 mm, cold-rolled ""cold-reduced""", ...	3.6	10.0
72Iron and steel	721669	Angles, shapes and sections, of iron or non-alloy steel, not further worked than cold-formed ...	4.8	1.9
73Articles of iron or steel	730890	Structures and parts of structures, of iron or steel, n.e.s. (excluding bridges and bridge-sections, ...)	1.2	1.3
73Articles of iron or steel	731100	Containers of iron or steel, for compressed or liquefied gas (excluding containers specifically ...)	5.0	6.9
73Articles of iron or steel	730840	Equipment for scaffolding, shuttering, propping or pit-propping	3.8	4.5

		(excluding composite sheetpiling ...)		
73Articles of iron or steel	730830	Doors, windows and their frames and thresholds for doors, of iron or steel	7.1	3.8
73Articles of iron or steel	732399	Table, kitchen or other household articles, and parts thereof, of iron other than cast iron ...	2.5	2.5
73Articles of iron or steel	730810	Bridges and bridge-sections, of iron or steel	6.5	3.9
73Articles of iron or steel	731029	Tanks, casks, drums, cans, boxes and similar containers, of iron or steel, for any material, ...	2.1	1.3
73Articles of iron or steel	731010	Tanks, casks, drums, cans, boxes and similar containers, of iron or steel, for any material, ...	3.0	1.1
73Articles of iron or steel	730690	"Tubes, pipes and hollow profiles ""e.g., open seam, riveted or similarly closed"", of iron ...	1.1	1.3
73Articles of iron or steel	730120	Angles, shapes and sections, of iron or steel, welded	2.0	2.3
73Articles of iron or steel	732182	Stoves, heaters, grates, fires, wash boilers, braziers and similar appliances, of iron or steel, ...	3.0	6.7
73Articles of iron or steel	730290	"Sleepers ""cross-ties""", check-rails, rack rails, chairs, chair wedges, rail clips, bedplates ...	5.4	1.6
73Articles of iron or steel	731290	Plaited bands, slings and the like, of iron or steel (excluding electrically insulated products)	1.8	1.8
73Articles of iron or steel	732429	Baths of steel sheet	1.4	1.7
74Copper and articles thereof	740400	Waste and scrap, of copper (excluding ingots or other similar unwrought shapes, of remelted ...)	27.9	17.4
74Copper and articles thereof	740313	Copper, refined, in the form of billets	8.5	14.1

74Copper and articles thereof	741129	"Tubes and pipes of copper alloys (excluding copper-zinc base alloys ""brass"", copper-nickel ...	1.3	1.1
74Copper and articles thereof	741810	Table, kitchen or other household articles and parts thereof, and pot scourers and scouring ...	5.0	3.0
76Aluminium and articles thereof	760200	Waste and scrap, of aluminium (excluding slags, scale and the like from iron and steel production, ...	13.9	11.4
76Aluminium and articles thereof	761010	Doors, windows and their frames and thresholds for door, of aluminium (excluding door furniture)	11.9	9.2
76Aluminium and articles thereof	760429	Bars, rods and solid profiles, of aluminium alloys, n.e.s.	3.3	1.3
76Aluminium and articles thereof	761090	Structures and parts of structures, of aluminium, n.e.s., and plates, rods, profiles, tubes ...	4.0	1.4
76Aluminium and articles thereof	760720	Aluminium foil, backed, of a thickness (excluding any backing) of <= 0,2 mm (excluding stamping ...	6.8	3.8
76Aluminium and articles thereof	761210	Collapsible tubular containers, of aluminium	23.0	21.7
76Aluminium and articles thereof	760410	Bars, rods and profiles, of non-alloy aluminium, n.e.s.	16.0	5.2
78Lead and articles thereof	780110	Unwrought lead, refined	3.6	62.3
78Lead and articles thereof	780600	Articles of lead, n.e.s.	32.7	12.9
79Zinc and articles thereof	790200	"Zinc waste and scrap (excluding ash and residues from zinc production heading 2620"", ingots ...	4.1	5.5
82Tools, implements, cutlery, spoons and forks, of base metal; parts thereof of base metal	820559	Hand tools, incl. glaziers' diamonds, of base metal, n.e.s.	2.5	2.1

82Tools, implements, cutlery, spoons and forks, of base metal; parts thereof of base metal	820590	Anvils; portable forges; hand- or pedal-operated grinding wheels with frameworks; sets of articles ...	1.6	1.9
82Tools, implements, cutlery, spoons and forks, of base metal; parts thereof of base metal	821510	Sets of spoons, forks or other articles of heading 8215, which may also contain up to an equivalent ...	1.0	2.1
83Miscellaneous articles of base metal	830249	Base metal mountings, fittings and similar articles (excluding locks with keys, clasps and ...)	5.8	5.3
83Miscellaneous articles of base metal	830629	Statuettes and other ornaments, of base metal, not plated with precious metal (excluding works ...)	1.6	3.5
83Miscellaneous articles of base metal	830621	Statuettes and other ornaments, of base metal, plated with precious metal (excluding works ...)	54.1	32.3
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	843810	Bakery machinery and machinery for the industrial preparation or manufacture of macaroni, spaghetti ...	25.6	24.0
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	847431	Concrete or mortar mixers (excluding those mounted on railway wagons or lorry chassis)	42.8	54.2
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	841899	Parts of refrigerating or freezing equipment and heat pumps, n.e.s.	3.1	4.7
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	844180	Machinery for making up paper pulp, paper or paperboard, n.e.s.	8.1	19.9
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	841829	Household refrigerators, absorption-type	137.2	53.2
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	840890	"Compression-ignition internal combustion piston engine ""diesel or semi-diesel engine"" (excluding ...)	3.9	2.3

84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	841869	Refrigerating or freezing equipment (excluding refrigerating and freezing furniture)	1.2	3.1
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	842833	Continuous-action elevators and conveyors for goods or materials, belt type (excluding those ...)	8.8	7.2
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	841850	"Furniture ""chests, cabinets, display counters, show-cases and the like"" for storage and ..."	1.2	2.6
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	842121	Machinery and apparatus for filtering or purifying water	2.2	1.2
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	841720	Bakery ovens, incl. biscuit ovens, non-electric	17.6	26.3
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	843880	Machinery for the industrial preparation or manufacture of food or drink, n.e.s.	7.9	4.3
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	842240	Packing or wrapping machinery, incl. heat-shrink wrapping machinery (excluding machinery for ...)	6.4	1.2
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	847480	Machinery for agglomerating, shaping or moulding solid mineral fuels, ceramic paste, unhardened ...	1.9	5.9
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	842810	Lifts and skip hoists	2.0	1.5
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	843110	Parts of pulley tackles and hoists (other than skip hoists), winches, capstans and jacks, n.e.s.	6.8	5.3
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	843820	Machinery for the industrial preparation or manufacture of confectionery, cocoa or chocolate ...	4.4	6.5

84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	842620	Tower cranes	1.4	4.0
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	848079	Moulds for rubber or plastics (other than injection or compression types)	2.6	2.7
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	846599	"Machine tools for working wood, cork, bone, hard rubber, hard plastics or similar hard materials ...	1.3	2.5
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	842919	Self-propelled bulldozers and angledozers, on wheels	6.0	18.8
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	841891	Furniture designed to receive refrigerating or freezing equipment	62.1	18.0
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	841381	Pumps for liquids, power-driven (excluding those of subheading 8413.11 and 8413.19, fuel, lubricating ...	1.5	1.0
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	843780	Machinery used in the milling industry or for the working of cereals or dried leguminous vegetables ...	9.0	4.4
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	841440	Air compressors mounted on a wheeled chassis for towing	5.0	4.4
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	844319	Printing machinery used for printing by means of plates, cylinders and other printing components ...	3.0	1.4
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	848049	Moulds for metal or metal carbides (excluding moulds of graphite or other carbons, ceramic ...	3.2	3.4
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	845430	Casting machines of a kind used in metallurgy or in metal foundries	2.0	2.8

84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	841340	Concrete pumps	1.7	4.2
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	847439	Machinery for mixing or kneading solid mineral substances, incl. those in powder or paste form ...	2.8	2.7
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	841780	Industrial or laboratory furnaces and ovens, non-electric, incl. incinerators (excluding those ...)	1.6	1.1
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	842519	Pulley tackle and hoists (other than skip hoists or hoists of a kind used for raising vehicles), ...	1.4	1.6
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	842219	Dishwashing machines (excluding those of the household type)	1.1	1.0
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	844010	Bookbinding machinery, incl. book-sewing machines (excluding machinery of heading 8441, general-purpose ...)	2.4	1.3
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	845899	Lathes, incl. turning centres, for removing metal, not numerically controlled (excluding horizontal ...)	3.3	3.1
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	844311	Offset printing machinery, reel fed	7.1	1.8
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	845019	Household or laundry-type washing machines, of a dry linen capacity <= 6 kg (excluding fully-automatic ...)	12.0	3.5
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	842389	Weighing machinery of a maximum weighing capacity > 5.000 kg	3.8	1.5
84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	846190	Planing machines and other machine tools for working metals, metal carbides or cermets by removing ...	5.1	1.3

84Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	847210	"Duplicating machines ""hectograph or stencil"" (excluding printing machines and photocopying ...)	10.7	1.3
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	850211	"Generating sets with compression-ignition internal combustion piston engine ""diesel or semi-diesel ..."	114.8	69.0
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	850213	"Generating sets with compression-ignition internal combustion piston engine ""diesel or semi-diesel ..."	38.8	22.1
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	850212	"Generating sets with compression-ignition internal combustion piston engine ""diesel or semi-diesel ..."	92.7	49.6
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	854460	Electric conductors, for a voltage > 1.000 V, insulated, n.e.s.	22.3	6.8
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	854419	Winding wire for electrical purposes, of material other than copper, insulated	10.8	11.2
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	850220	Generating sets with spark-ignition internal combustion piston engine	3.8	2.1
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	850162	"AC generators ""alternators"" , of an output > 75 kVA but <= 375 kVA (excl. photovoltaic g ...)	7.5	7.6
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	853720	Boards, cabinets and similar combinations of apparatus for electric control or the distribution ...	1.5	1.0
85Electrical machinery and equipment and parts thereof; sound recorders	852352	"Cards incorporating one or more electronic	5.1	1.2

and reproducers, television ...		integrated circuits ""smart cards"""		
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	853810	Boards, panels, consoles, desks, cabinets and other bases for the goods of heading 8537, not ...	2.8	1.1
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	851430	Electric industrial or laboratory furnaces and ovens (excluding resistance heated, induction, ...)	8.6	5.0
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	850161	"AC generators ""alternators""", of an output <= 75 kVA (excl. photovoltaic generators)"	8.7	3.9
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	850163	"AC generators ""alternators""", of an output > 375 kVA but <= 750 kVA (excl. photovoltaic ...)	10.4	9.9
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	852321	Cards incorporating a magnetic stripe for the recording of sound or of other phenomena	23.1	11.1
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	850120	Universal AC-DC motors of an output > 37,5 W	8.7	2.3
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	850432	Transformers, having a power handling capacity > 1 kVA but <= 16 kVA (excluding liquid dielectric ...)	4.2	2.0
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	850780	Electric accumulators (excl. spent, and lead- acid, nickel-cadmium, nickel-metal hydride and ...)	2.2	1.9
85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	850860	Vacuum cleaners, incl. dry cleaners and wet vacuum cleaners (excluding with self- contained ...)	3.1	1.0

85Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ...	850134	DC motors and DC generators of an output > 375 kW (excl. photovoltaic generators)	3.5	1.2
87Vehicles other than railway or tramway rolling stock, and parts and accessories thereof	870490	Motor vehicles for the transport of goods, with engines other than internal combustion piston ...	6.8	3.8
91Clocks and watches and parts thereof	910211	Wrist-watches, whether or not incorporating a stop-watch facility, electrically operated, with ...	1.4	3.8
91Clocks and watches and parts thereof	910219	Wrist-watches, whether or not incorporating a stop-watch facility, electrically operated, with ...	7.9	8.1
91Clocks and watches and parts thereof	910229	Wrist-watches, whether or not incorporating a stop-watch facility, with hand winding only (excluding ...	2.0	4.1
91Clocks and watches and parts thereof	910299	Pocket-watches and the like, incl. stop-watches, with hand or automatic winding (excluding ...	1.5	3.2
91Clocks and watches and parts thereof	910119	Wrist-watches of precious metal or of metal clad with precious metal, whether or not incorporating ...	2.7	2.0
93Arms and ammunition; parts and accessories thereof	930320	Sporting, hunting or target-shooting shotguns, with at least one smooth barrel (excluding muzzle-loading ...	4.9	3.8
94Furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; ...	940360	Wooden furniture (excluding for offices, kitchens and bedrooms, and seats)	4.5	45.6
94Furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; ...	940690	Prefabricated buildings, whether or not complete or already assembled (excl. of wood, and modular ...	13.7	9.2
94Furniture; bedding, mattresses, mattress	940320	Metal furniture (excluding for offices, seats and	2.5	1.7

supports, cushions and similar stuffed furnishings; ...		medical, surgical, dental or veterinary ...		
94Furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; ...	940389	Furniture of other materials, including cane, osier or similar materials (excluding of bamboo, ...	7.8	5.4
94Furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; ...	940599	Parts of lamps and lighting fittings, illuminated signs and nameplates and the like, n.e.s.	1.0	3.4
94Furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; ...	940370	Furniture of plastics (excluding medical, dental, surgical or veterinary, and seats)	7.1	3.8
94Furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; ...	940330	Wooden furniture for offices (excluding seats)	1.5	1.1
94Furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; ...	940159	Seats of cane, osier or similar materials (excluding of bamboo or rattan)	8.4	2.3
95Toys, games and sports requisites; parts and accessories thereof	950619	Ski equipment for winter sports (other than skis and ski-fastenings [ski-bindings])	2.2	1.0
96Miscellaneous manufactured articles	961900	Sanitary towels (pads) and tampons, napkins and napkin liners for babies, and similar articles, ...	5.3	7.3
96Miscellaneous manufactured articles	961400	Smoking pipes, incl. pipe bowls, cigar or cigarette holders, and parts thereof, n.e.s.	8.0	10.1
96Miscellaneous manufactured articles	960899	Parts of ball-point pens, felt-tipped and other porous-tipped pens and markers, fountain pens ...	4.7	1.6
97Works of art, collectors' pieces and antiques	970300	Original sculptures and statuary, in any material	1.9	1.3
97Works of art, collectors' pieces and antiques	970190	Collages and similar decorative plaques	4.5	3.2

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