



Annual Industrial Products Survey

Methodology

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1 Introduction

The Annual Industrial Products Survey (AIPS) provides structural and highly detailed information on industrial production within the national territory.

Up until reference year 2020, the AIPS was governed by the Council Regulations (EEC) No. 3924/91 on the implementation of a community survey for industrial production (Prodcom Regulations). This regulation was supplemented by the Commission Regulation (EC) No. 912/2004 pertaining to execution details. As from the year of reference, 2021, the survey is governed by the Regulation (EU) 2019/2152 of the European Parliament and of the Council of 27 November 2019 as well as by the Commission Implementing Regulation (EU) 2020/1197 dated 30 July 2020.

2 Objectives

The main objectives of the survey are as follows:

1. To have complete and recent information on industrial sector products, delivering high-detail results that allow for the study of a wide selection of products, the analysis of their markets and the evolution of their chronological series.
2. To present information that is fully integrated with international trade data.
3. To provide information that is integrated with the rest of the community countries' data by applying common methodologies. This, in turn, provides the reliability, speed and degree of detail needed for the management of the community market.
4. To disseminate information on annual industrial production in the shortest possible time, approximately half a year, after the end of the data reference year.

3 Survey Units

The observation or **information unit**, to which the questionnaire data refer, is the industrial establishment or local unit, understood as any unit producing industrial goods and services, located in a defined physical address and under the direction or control of a single legal unit.

The **reporting unit** is the legal unit, that is to say, the smallest legally autonomous unit that one or more establishments has or uses.

4 Content

4.1 POPULATION SCOPE

Until the reference year 2020, the **population** subject to the survey consisted of all industrial establishments belonging to companies with twenty or more people employed, regardless of whether the main activity of the company to which it belonged was

industrial or not. The aim is to cover a significant percentage of production in the different industrial sectors investigated by the survey.

In certain sectors in which the production of the establishments of companies with twenty or more people employed was not representative of the total, the establishments of companies with less than 20 people employed were also included. The ultimate goal was to achieve coverage that included establishments representing approximately 90% of the corresponding activity.

As of the 2021 reference year, the **population** subject to the survey consists of all industrial establishments belonging to legal units, regardless of whether the main activity of the legal unit to which they belong is industrial or not and without setting size limits. In this way, the production coverage has become 100%.

4.2 GEOGRAPHICAL OR TERRITORIAL SCOPE

Up until reference year 2020, the survey covered all the national territory, except for Ceuta and Melilla. As of reference year 2021, Ceuta and Melilla were included within the survey's geographical scope and thus within the **territorial scope** of the survey which has now become the entire national territory. In addition, as of reference year 2021, the survey collects only the production taking place in **establishments that are located within the national territory**, as per the EBS Regulations. The old PRODCOM Regulation did not explicitly state whether only production carried out in the national territory should be collected, or if production sold by establishments located within the national territory but carried out externally should also be collected.

4.3 TIME SCOPE

As far as the **time scope** is concerned, its term encompasses one calendar year. In those cases where the production cycle does not match the calendar year, the information requested concerns the production that took place during the campaign ending within the survey's reference year.

4.4 INFORMATION SCOPE

The information that is the subject of the survey is defined mainly by the list of PRODCOM products, acronym that refers to the first two syllables of the words COMmunity and PRODUCTION and which consists of a list of industrial goods and services harmonised with the International Trade Classification or Combined Nomenclature of the European Union.

Each product is defined in reference to one or several articles of said Combined Nomenclature for International Trade, which makes it easier to compare data from the industrial production Statistics against those obtained through international trade statistics.

Each category of the PRODCOM list is represented by an 8-digit code, with the possibility of adding a ninth digit for country-specific identification. The Spanish PRODCOM list has 10-digit category codes since, in an attempt to verify recording or

transcription errors during data processing, a tenth digit has been incorporated, in addition to using the ninth digit for typical Spanish products such as olive oil, reversible sheepskin leather, etc., or for products under research in Spain that are not part of the European PRODCOM list such as oil refining, electric energy production, etc. (for other products, the ninth digit is zero).

The meaning of the first eight digits is as follows: the first four correspond to the NACE, which is the Statistical Classification of Economic Activities in the European Community, Version 2, in force since 2008. The first six digits correspond to the classification of products by activity (CPA) in the European Union. The seventh and eighth digit indicate the Classification of each of the PRODCOM goods within each CPA category.

The first four digits also match the CNAE-09, which is the national version of the NACE, except for some specific classes: Processing and preservation of fish, shellfish and sea food, Manufacture of oils and fats, Preparation of milk and manufacture of dairy products and Production of electric energy. In these cases only the first three digits of the CNAE-09 match, but it does match four NACE-08 digits.

Insofar as the sectors covered go, the survey includes the electricity, gas and steam manufacturing industries (sections C and D of the CNAE-09). Therefore, the following are **out of scope**:

- Extraction industries (CNAE-09, section B) which are studied by the Ministry for the Ecological Transition and the Demographic Challenge.
- The processing of nuclear fuel and transportation, distribution and commercialisation of gas and electric energy.

The following fall outside the survey scope:

- Non-commercial industrial activities, that is, those which produce goods and services not for sale.
- The activities that involve repairing certain consumer goods and fixed assets.
- Industrial activities carried out in establishments whose main activity is not industrial in nature.

5 Sampling frame and design

Until the reference year 2020, the sample design of the Annual Industrial Product Survey was based on a cut-off sampling, which covered approximately 90% of the production of each class of activity.

From the 2021 reference year, on the occasion of the entry into force of the new EBS regulation, in which the requirement has become to estimate the production corresponding to each class with sufficient quality, without mentioning that 90% coverage, a change has been made in the sampling design, from sampling by cut-off point to a probabilistic sampling with 100% coverage of the production.

Therefore, the units above the cut-off limit for their class will no longer be a part of the yearly sample, and will not be considered exhaustive units (more details below). Conversely, the units below the cut-off limit—which up until 2020 were never considered in the survey—will be represented by an adequately sized probabilistic sample as of

2021 to ensure sufficient accuracy. The net result of removing units above the cut-off points and adding them below them is a reduction in the sample size of about 30%, which means a significant reduction in the burden on the reporter. The new sample design, described below, has ensured that this smaller sample size does not imply poorer estimate quality, as estimates will be more accurate and, as explained above, will now be for 100% of the production.

5.1 SAMPLING FRAME

The survey's target population is divided into three **disjointed and complementary sub-frames**.

Frame I is made up of all the legal units and their corresponding industrial establishments, which have contributed to the survey in recent years.

Frame II is made up of the rest of the industrial companies and their corresponding industrial establishments.

Frame III is made up of the rest of the industrial establishments of non-industrial companies.

The samples of each sub-frame are extracted independently.

5.2 SAMPLE DESIGN FOR FRAME I

The basic sampling unit for Frame I is each product manufactured in each legal unit in previous years, but with the understanding that:

- a. If a product from a legal unit is chosen, all the industrial establishments of that legal unit are chosen automatically.
- b. Regardless of the specific products (from previous years) for which a legal unit has been chosen in the sample, the questionnaire must specify all the products corresponding to the reference year (some will be repeated from previous years, others will be deregistered, others will be new).

These basic sampling units (product-legal unit) are stratified using a classification based on the PRODCOM list, with the highest level of detail, but where products that have few reporters and little quantitative relevance have been grouped together.

5.2.1 Exhaustive Units

Prior to stratification, the exhaustive units that will surely be part of the sample are selected, which for Frame I are:

- Legal units with 100 or more employees.
- Legal units with a value of the weighted average production of 10 million euros or more in recent years of a given product or product grouping into clusters.

- The legal units necessary to obtain at least 40% of the weighted average value for what has been produced in recent years of a certain product or grouping of products into clusters.
- The legal units obtained by applying the Sigma Deviation Rule¹ for each product or group of products to the variable value of the weighted average of recent years' production.
- The legal units whose products have been aggregated and whose weighted average for the production achieved in recent years is greater than or equal to 500,000 euros for that group.

5.2.2 Stratification

The strata are formed by cross-referencing a given product or group of products with the TAMEF variable which sorts the units into groups, from 1 to 5, according to the weighted average of what has been produced in recent years, so that in TAMEF=1 are the units with the lowest value and in TAMEF=5 are those with the highest value. Each product or group of products is divided into 1 or more groups depending on the number of units it contains and its variability with respect to the weighted average of the production of recent years. In order to decide the cut-off points, the Rule of the cumulative square root of the frequency distribution is used (see Cochran 1977).

5.2.3 Sample size

The sample size in each stratum (n_h) is calculated by applying optimal allocation and by requiring that the estimator's sampling error for the total weighted average of recent years' production by product or product group is below 4% and by class of activity below 2%. A minimum number of units per stratum is determined and is increased in all of them to compensate for the foreseeable lack of response.

5.2.4 Sample Selection and Estimators

In each stratum, a sample is chosen with **probabilities proportional to the size**, which is measured by the weighted average of what has been produced in recent years. The probability that unit i belongs to the sample is determined by the following expression:

$$\pi_i = n_h \frac{valord_i}{\sum_{i \in h} valord_i}$$

Where $valord_i$ is the weighted average of what has been produced in recent years.

¹ The Sigma Deviation Rule (see Julien and Maranda Le plan de sondage de l'enquête nationale sur les fermes, 1988. *Techniques d'enquête*. 1990. vol.16, No. 1, pp. 127-139) is an empirical rule that consists of sorting the units from smallest to largest. In this case, they are sorted according to the variable value of the weighted average of the production of recent years, and considering exhaustive units to be those following the first one whose difference with the previous one is greater than the standard deviation for said variable.

Given that if a product of a legal unit is selected, all the industrial establishments of that legal unit are automatically selected, the probability that a legal unit is selected is:

$$P(\text{unidad legal} \in \text{muestra}) = \pi_e = 1 - \prod_{i \in \text{unidad legal}} (1 - \pi_i)$$

In Frame I, due to the significant temporal correlation between the production of the reference year (the variable of interest) and the weighted average of what was produced in the last years, the following expression is used to estimate the total of the Y variable in the d domain:

$$\hat{Y}_{Rd} = \sum_{i \in d} \frac{\sum_{j \in \text{clasep2}}^N \text{valord}_j}{\sum_{j \in e}^n F_e \text{valord}_j} F_e y_i + Y_{x1,d}$$

Where:

- \hat{Y}_{Rd} : estimator of the total of the Y variable in domain d
- N: total population size in Frame I, not counting exhaustive ones
- n: total sample size, without counting the exhaustive ones and without counting the units that were inactive in the survey's reference year
- clasep2: product stratum or product groups
- $F_e = (1/\pi_e)$: elevation factor e of the legal unit
- Y_{x1} : total of Y of the exhaustive part in domain d, that is, the exhaustive units of Frame I that fall within the domain

5.2.5 Sampling errors

The sampling errors of this estimator are calculated by applying the linearisation technique, and the result is an approximate calculation of said error. The estimator for the variance of the total \hat{Y}_{Rd} estimator is determined by:

$$\hat{V}(\hat{Y}_{Rd}) = \hat{V}(\hat{Y}_{\pi d}) + \hat{R}_d^2 \hat{V}(\widehat{\text{valord}}_{\pi \text{clasep2}d}) - 2\hat{R}_d \text{Cov}(\hat{Y}_{\pi d}, \widehat{\text{valord}}_{\pi \text{clasep2}d})$$

Where:

$$\hat{R}_d = \frac{\hat{Y}_{\pi d}}{\widehat{\text{valord}}_{\pi \text{clasep2}d}}$$

$$\hat{V}(\hat{Y}_{\pi d}) = \sum_h \frac{n_h}{n_h - 1} \sum_{\substack{i \in d \\ i \in e}} F_e (F_e - 1) (y_i z_{id} - \hat{Y}_{hd})^2$$

Being:

$$\widehat{Y}_{hd} = \frac{\sum_{i \in d} F_e y_i z_{id}}{\sum_{i \in e} F_e}$$

z_{id} : random variable that takes on the value 1 if unit i belongs to domain d and value 0 otherwise

Similarly, the variance estimator for the estimated total of the auxiliary $valord_i$ variable and the covariance is defined:

$$\widehat{V}(\widehat{valord}_{\pi clasp2d}) = \sum_h \frac{n_h - 1}{n_h} \sum_{\substack{i \in clasp2,d \\ i \in e}} F_e (F_e - 1) (valord_i z_{id} - \widehat{valord}_{hd})^2$$

being

$$\widehat{valord}_{hd} = \frac{\sum_{i \in clasp2,d} F_e valord_i z_{id}}{\sum_{i \in e} F_e}$$

$$\widehat{Cov}(\widehat{Y}_{\pi d}, \widehat{valord}_{\pi clasp2d}) = \sum_h \frac{n_h - 1}{n_h} \sum_{\substack{i \in d \\ i \in e}} F_e (F_e - 1) (y_i z_{id} - \widehat{Y}_{hd})(valord_i z_{id} - \widehat{valord}_{hd})$$

5.3 SAMPLE DESIGN FOR FRAME II

In Frame II, there is not as much prior information available since the legal industrial units and their corresponding industrial establishments have not collaborated in previous years, so the sampling unit becomes the legal unit and the strata are formed based on each legal unit's main activity. The fact that they are industrial companies means that there is a fairly strong correlation between their turnover (data available in the sub-frame for all legal units) and the value of their overall production.

5.3.1 Exhaustive Units

Prior to stratification, the exhaustive units that will surely be part of the sample are selected, which for Frame II are:

- Legal units with 50 or more employees.
- Legal units with a turnover equal to or greater than 5 million euros.
- The legal units obtained by applying the Sigma Deviation Rule by type of activity.

5.3.2 Stratification

The strata are formed by cross-referencing a the class of activity with the TAMEF variable which sorts the units into groups, from 1 to 5, according to their turnover, so that in TAMEF=1 are the units with the lowest value and in TAMEF=5 are those with the highest value. Each activity class is divided into 1 or more groups depending on the number of units it contains and their turnover variability. In order to decide the cut-off points, the Rule of the cumulative square root of the frequency distribution is used.

5.3.3 Sample size

The sample size for each stratum (n_h) is calculated by applying optimal allocation and setting a double maximum error criterion for the estimator of the total turnover by activity class:

- For each class as a whole, i.e. also taking into account the industrial units of frame I, 2% error is ensured.
- For the units of each class that are in frame II, 20% error is ensured.

A minimum number of 2 or 3 units per stratum is determined and the resulting sample size is increased to compensate for the foreseeable lack of response.

5.3.4 Sample Selection and Estimators

In each stratum, a sample is chosen with **probabilities proportional to the size**, which is measured by the turnover. The probability that unit e belongs to the sample is determined by the following expression:

$$\pi_e = n_h \frac{CN_e}{\sum_{e \in h} CN_e}$$

Where CN_e is the legal unit's turnover.

The estimator for the Y total in domain d is determined by the π -estimator or Horvitz-Thompson estimator, although it has been adjusted for non-response and registrations:

$$\hat{Y}_{\pi d} = \sum_{e \in d}^{n_r} \hat{F}_e y_e + Y_{x2,d}$$

Where:

- n_r : total effective sample size (those which responded), excluding exhaustive ones
- y_e : Y value assumed by legal unit e
- $Y_{x2,d}$ total of the Y variable of the exhaustive part of Frame II, that is, of the exhaustive units in Frame II

- The estimated elevation factor associated with the legal unit e is a result of the theoretical F_e factor product, the inverse value to the selection probability ($1/\pi_e$), the adjustment factor for re-weighting R_{2c} and the adjustment factor for registrations A_{2c} :

$$\hat{F}_e = \frac{1}{\pi_e} R_{2c} A_{2c}$$

While any sample units from frame I that do not respond—whether it be due to refusals or untraceability—are imputed because frame I has the necessary information, those from frames II and III are reweighted. Reweighting in the case of the frame II sample is done using the VAT of the survey's reference year.

For each activity type c , the following quotient is calculated:

$$R_{2c} = \frac{\sum_{e \in c}^{n_r + n_{nr}} IVA_e}{\sum_{e \in c}^{n_r} IVA_e}$$

Where n_{nr} represents the sample size of the units of the theoretical sample that do not respond due to refusing or being impossible to locate.

Also, in frames II and III, the additions produced in the reference year of the survey are taken into account to compensate for units decommissioned due to closure or lack of activity.

For activity class c , the following quotient is calculated based on DIRCE information:

$$A_{2c} = \frac{N_{cp} + N_{ca}}{N_{cp}}$$

N_{cp} is the total number of permanent class c legal units (which are in the reference year as well as the previous year) and N_{ca} is the total number of class c legal units registered in the reference year of the survey.

5.3.5 Sampling errors

An approximate estimator for the estimator variance over the Y total is calculated by applying Raulin's formula:

$$\hat{V}(\hat{Y}_{\pi d}) = \sum_h \sum_e F_e (F_e - 1) (y_e z_{ed} - \hat{Y}_{hd})^2$$

Where:

$$\hat{Y}_{hd} = \frac{\sum_e F_e y_e z_{ed}}{\sum_e F_e}$$

z_{ed} : is 1 if e belongs to domain d and 0 if otherwise

5.4 SAMPLE DESIGN FOR FRAME III

In Frame III the basic sampling unit is the legal unit but it is restricted to industrial establishments only. Its size is determined by the sum of the employees of its industrial establishments and its main activity is that of the industrial establishment with the largest number of employees.

5.4.1 Exhaustive Units

Prior to stratification, the exhaustive units that will surely be part of the sample are selected, which for Frame II are those legal units in which the sum of the number of employees in their industrial establishments equals 50 or more.

5.4.2 Stratification

The strata are formed by combining the activity class and the TAME variable which classifies the units into groups according to the number of employees:

TAME	EMPLOYEES
0	0
1	From 1 to 3
2	From 4 to 9
3	10 to 19
4	From 20 to 49

5.4.3 Sample size

In order to calculate the sample size, maximum elevation factors ($F_h=N_h/n_h$) per TAME as well as minimum size per stratum are always required.

5.4.4 Sample Selection and Estimators

In each stratum, a simple random sample is selected and the estimators are simple expansion estimators, albeit adjusted for non-response and registrations. The estimator of the total for the Y variable is determined by the following expression:

$$\hat{Y}_{exp,d} = \sum_{e \in d}^{n_r} \hat{F}_h y_e + Y_{x3,d}$$

Where:

- $Y_{x3,d}$ corresponds to the exhaustive part of Frame III, domain d.
- The estimated elevation factor associated with the legal unit e is a result of the theoretical F_e factor product, the inverse of the selection probability (n_h/N_h), the adjustment factor for re-weighting R_{3c} and the adjustment factor A_{3c} for registrations:

$$\hat{F}_h = \frac{N_h}{n_h} R_{3c'} A_{3c'}$$

By activity class c' the sample units of Frame III that do not respond—whether it be due to refusals or untraceability—are re-weighted by calculating the following quotient:

$$R_{3c'} = \frac{n_{c'rr} + n_{c'mr}}{n_{c'rr}}$$

Where $n_{c'r}$ and $n_{c'nr}$ are the sample size of the units of the effective sample and of the units that do not respond due to refusal and being untraceable in class c' .

For activity class c , the following quotient is calculated:

$$A_{3c'} = \frac{N_{c'p} + N_{c'a}}{N_{c'p}}$$

$N_{c'p}$ is the total number of permanent class c legal units (which are in the reference year as well as the previous year) and $N_{c'a}$ is the total number of class c legal units registered in the reference year of the survey.

5.4.5 Sampling errors

The variance estimator for the \hat{Y}_{ed} error estimator is calculated in the same way Frame II is.

5.5 TOTAL ESTIMATORS AND SAMPLING ERRORS

As they are sub-frames with a null intersection and independent samples in each stratum of each of the sub-frames, the estimator of the Y total in the d domain will be determined by the sum of each of the estimators of the samples selected for each sub-frame:

$$\hat{Y}_d = \hat{Y}_{Rd} + \hat{Y}_{\pi d} + \hat{Y}_{ed}$$

Estimates of the relative sampling errors or coefficients of variation in % are calculated and published, for the total production value at 10-digit PRODCOM code level, as well as for the value added at 4-digit, i.e., at NACE-08 class level. The relative sampling error for the estimator of the Y total in the d domain is expressed thus:

$$\widehat{CV}(\hat{Y}_d) = 100 \times \frac{\sqrt{\hat{V}(\hat{Y}_{Rd}) + \hat{V}(\hat{Y}_{\pi d}) + \hat{V}(\hat{Y}_{ed})}}{\hat{Y}_d}$$

6 Variables

Up until reference year 2020, the survey variables were the value and quantity of production of each of the products, mainly belonging to the PRODCOM list. Value always referred to marketed production, while quantities were measured according to three different criteria:

1. For most products, quantity meant production invoiced or sold, thus matching the criteria for measuring value.
2. For a series of intermediate products, generally obtained in integrated processes, the quantity was the total production, that is, what was manufactured and destined for sale (sales + stock) plus that which was used in the process itself.
3. Finally, for products in sector 79 Production of Electricity, Gas, Steam and Hot Water, the quantity included the amount sold and the quantity reused in the production process.

As a rule of thumb, all products were measured according to quantity and value. Nonetheless, for certain products, only the value data was required. The valuation criterion used to account for the value was the average net sales price, that is, including the costs of containers and packaging, excluding VAT and other taxes on consumption, discounts to customers and transport costs invoiced separately.

As of reference year 2021, the in-house and subcontractor production are studied separately for each product.

6.1 IN-HOUSE PRODUCTION

Production is considered in-house when the products were created in the industrial establishment and by its own means during the reference period and were sold directly to the market during the reference year, or when industrial services have been provided to third parties by the establishment.

For most products the **quantity** and **value** data is required.

However, for others, only value is required. These categories usually involve:

- Reparation, installation and maintenance services.
- Spare parts and components.
- Categories whose description includes diverse products.

For certain products, the reuse of manufactured products (quantity) and the manufacture of stocks are also requested.

The **value** always refers to the commercialised in-house production.

The valuation criterion used to account for the value is the average net sales price, that is, it includes the costs of containers and packaging and excludes VAT and other indirect taxes invoiced to customers, transport costs invoiced separately and discounts to customers.

Quantities are **measured** using **three** different **criteria**:

1. For most products, quantity means in-house production invoiced or sold, thus matching the criteria for measuring value.

2. For a series of intermediate products, generally obtained in integrated processes, the quantity requested is the total in-house production, that is, the sum amount of in-house production sold, the quantity reused in the production process and the quantity allocated to stock.
3. Finally, for products in sector *79 Production of Electricity, Gas, Steam and Hot Water*, the quantity includes the in-house production amount sold and the quantity reused in the production process.

Not all the categories in the PRODCOM list correspond to physical products. Also included are codes corresponding to improvement, repair and maintenance operations, as well as assembly work, all of which are labelled **industrial services**. These codes do not match the international trade nomenclature.

Perfecting, treatment or finishing is understood as those operations that, once carried out, do not alter the shape of the product, such as dyeing, impregnation, printing, varnishing, nickel plating, etc. The finish of products manufactured in-house is classified together with the product. In the rest of the cases, they are recorded in the finish categories to that end.

Repair and maintenance work is classified in the codes created to that end. However, repair and maintenance operations which constitute major repairs and largely transform the product (changing most parts of a machinery, changing the workmanship of a jewellery piece or leather item, etc.) are classified according to the codes of the corresponding product, rather than those of their repairs.

However, there is a general rule by which repair and maintenance services are included in the industrial sector, as long as they are linked to the manufacture of industrial equipment. There are exceptions to this rule in cases of:

- Car and motorcycle repair (CNAE 4520 - 4540).
- Repair of computers and personal and household goods (CNAE 95).

Assembly or installation is considered the assembly of several elements into a single product or several products resulting in a more complex installation.

If the assembled products are also manufactured by the same company, the assembly is recorded along with the manufactured product in the corresponding product code.

When the assembling company is different from the one that manufactures the assembly, it is recorded using the PRODCOM codes established for this purpose. The value of the assembly service includes the invoiced assembly costs plus the costs of the materials necessary to provide the service and excludes the value of the assembled products, not manufactured by the company in charge of carrying out the assembly.

6.2 PRODUCTION AS A SUBCONTRACTOR

As laid down in the Commission Implementing Regulation (EU) 2020/1197 of 30 July 2020, production is deemed to have been carried out as a subcontractor in an industrial establishment during the reference period if the requirements set out in the CPA guidelines for this type of operation are met. In other words, production has been carried out as a subcontractor if payments have been received in the reference year from contracting enterprises in return for production carried out in the industrial establishment

at a given time, where the raw materials used for manufacturing a given product have been supplied by the contracting enterprises. Subcontractors may provide some supplies for the performance of said work.

For most products, information is required regarding the amount manufactured by subcontractors and the payments received. However, for other products, only payments received are needed.

Payments received for manufacture as a subcontractor are quantified including packaging and container costs and excluding VAT and other indirect taxes charged to clients, transportation expenses invoiced separately and discounts for clients.

Data on subcontractor production is requested for all products **except** those which are considered **industrial services**.

7 Collection methodology

A **personalised questionnaire** is sent to each industrial establishment, along with a selection of products.

In the case of an industrial establishment for which **information from the previous year is available**, only the products for which information was provided in that year are displayed. For those products, information which concerns the study year is requested. If there are also products manufactured that do not appear in the list, information is also requested for these products.

In those cases in which there is **no previous information** on the industrial establishment, the personalised questionnaire includes a list of products related to the activity of the establishment that, according to the data obtained from the survey in the previous year, are those produced in the most industrial establishments for that activity. As in the previous case, they are asked to provide information on the products they have manufactured that do not appear in said list.

The **information collection** is done through INE's institutional collection system, IRIA. The filling of the questionnaire is done almost exclusively online (in 90% of cases).

8. Processing of information

During the filling out process for online questionnaires, an inconsistency detection system is used so that the reporter can confirm or correct the information provided before submitting the filled out questionnaire.

The recording and refinement of questionnaires is an ongoing process at all collection units, with all control regulations in place so as to guarantee an adequate quality level throughout the process. This makes it possible to control any errors which could affect the data collected from the reporting units as of that stage.

Once the information is collected, a control of its coverage is carried out in order to guarantee the completeness of the recorded data, detect any duplicates and coverage errors, and, at the same time, be able to make an initial assessment regarding the quality of the variables collected in the questionnaires. This phase is carried out on each of the

bi-monthly files of recorded questionnaires, and its execution takes place before the complete survey file is put together and, therefore, at the beginning of the joint processing of the information.

The information, received and refined by the collection units during an initial phase is treated at the INE through a two-phase refinement procedure:

The first phase consists of a micro-purification or microdata refinement in which the validity of the data provided by each establishment is checked allowing for the detection of any possible errors or omissions.

The second phase consists of a refinement of aggregate data or macro-purification at the national level to analyse the consistency of the data from the reference year against data from previous years.

Industrial establishments of the Frame I sample that have not responded to the survey are imputed based on the information available from previous years. However, for those Frame II and Frame III sample units that do not respond, given that they do not have data from previous years on which to adequately base the imputation, re-weighting adjustments are applied and included in the final factors of the collaborating units (as described in the section dedicated to sample design).

9 Results publication

The tables displayed provide both national results and results by Autonomous Communities and Cities.

As far as national results are concerned, a set of tables is available with the quantity and value of in-house production at the PRODCOM code level. Along with that, there is a table compiling the sampling errors for the total production value, with the same level of detail.

The Autonomous Communities and Cities results are displayed in two table blocks. The first block includes the value of in-house production and percentage for each of the activity divisions, disaggregated by Autonomous Communities and Cities, and the second block includes the value of in-house production and percentage for each of the Autonomous Communities and Cities for each activity divisions.

The promotion of the survey results is not limited to those included in the publication. Reporters are thanked for their collaboration with the survey by offering them the option of requesting personalised reports on the company's market share for each in-house production product they make. In addition, whenever the protection of statistical secrecy allows for it, custom data requests can be met with the specific detail desired and in the medium or format chosen by the users.

Due to the implementation of the methodological changes caused by the entry into force of the new EBS regulation, a disruption in the series occurs in reference year 2021. In order to be able to link the data of said year with the data of previous years, reference year 2021 was also published under the old methodology, taking into account that the data of certain products may be affected by the new requirement established by said regulation of only collecting production carried out within the economic territory of Spain.

Annex 1. Products for which the in-house production includes all the in-house production, that is, the sum amount of in-house production sold, the quantity reused in the production process and the quantity allocated to stock

NAME	PRODCOM	UNIT
Table salt	1084300000	tonnes
Wool grease, wool fat and by-products, including lanolin	1310100002	tonnes
Non-woven raw natural silk fibres processed for spinning, but not spun	1310210006	tonnes
Non-degreased or carbonised wool fibres, not carded or combed, processed for spinning, but not spun	1310220005	tonnes
Noils or waste of wool or of fine hair processed for spinning, but not spun	1310230004	tonnes
Carded or combed wool fibres, including combed slivers, processed for spinning, but not spun	1310240003	tonnes
Carded or combed cotton	1310250002	tonnes
Jute and other textile bast fibres (except flax, true hemp ramie, sisal, etc.), processed but not spun; tow and waste	1310260001	tonnes
Vegetable fibres, processed but not spun: flax, true hemp ramie, sisal, etc. (except jute and other bast textile fibres), including yarn waste	1310290008	tonnes
Staple synthetic fibres, carded, combed or otherwise processed for spinning	1310310002	tonnes
Staple artificial fibres, carded, combed or processed for spinning	1310320001	tonnes
Natural silk yarn (except silk waste yarns), not put up for retail sale	1310401006	tonnes
Natural silk waste yarn, not put up for retail sale	1310403002	tonnes
Natural silk yarn or natural silk waste yarn, put up for retail sale, silk-worm gut (known as 'crin de Florence')	1310405007	tonnes
Carded wool or fine hair yarn, not put up for retail sale	1310501009	tonnes
Combed wool or fine hair yarn, not put up for retail sale	1310503005	tonnes
Wool or fine hair yarn, put up for retail sale	1310505000	tonnes
Cotton fibre yarn, not combed, not put up for retail sale, for open weave textiles (except knitted fabric and carpet and textile floor coverings) (except sewing thread)	1310613209	tonnes
Cotton fibre yarn, not combed, not put up for retail sale, for knitted fabric and hosiery (except sewing thread)	1310613305	tonnes
Cotton fibre yarn, not combed, not put up for retail sale (except open weave and for knitted fabric and hosiery) including for carpets and textile floor coverings (except sewing thread)	1310613503	tonnes
Cotton fibre yarn, combed, not put up for retail sale, for open weave textiles (except knitted fabric and carpet and textile floor coverings) (except sewing thread)	1310615204	tonnes
Cotton fibre yarn, combed, not put up for retail sale, for knitted fabric and hosiery (except sewing thread)	1310615300	tonnes
Cotton fibre yarn, combed, not put up for retail sale (except open weave and for knitted fabric and hosiery) including for carpets and textile floor coverings (except sewing thread)	1310615508	tonnes
Cotton yarn, put up for retail sale (except sewing thread)	1310616000	tonnes
Cotton sewing thread	1310620002	tonnes
Flax yarn, not put up for retail sale	1310711007	tonnes
Flax yarn, put up for retail sale	1310712005	tonnes

NAME	PRODCOM	UNIT
Other vegetable fibre yarns (jute, hemp, coir, etc.); paper yarn	1310720008	tonnes
Synthetic filament yarn, twisted or cabled not put up for retail sale (except sewing thread)	1310811003	tonnes
Artificial filament yarn, twisted or cabled not put up for retail sale (except sewing thread)	1310813009	tonnes
Artificial or synthetic filament yarn, put up for retail sale (except sewing thread)	1310815004	tonnes
Yarn of synthetic staple fibres, not put up for retail sale, synthetic content $\geq 85\%$ (except sewing thread)	1310821002	tonnes
Yarn of synthetic staple fibres put up for retail sale, synthetic content $\geq 85\%$ (except sewing thread)	1310825003	tonnes
Yarn of $<85\%$ by weight of polyester staple fibres, mixed with artificial fibres, not put up for retail sale (except sewing thread)	1310832009	tonnes
Yarn of $<85\%$ by weight of synthetic staple fibres, with carded wool or carded fine animal hair, not put up for retail sale (except sewing thread)	1310833305	tonnes
Yarn of $<85\%$ by weight of synthetic staple fibres, with carded wool or combed fine animal hair, not put up for retail sale (except sewing thread)	1310833606	tonnes
Yarn of $<85\%$ by weight of synthetic staple fibres, mixed with cotton, not put up for retail sale (except sewing thread)	1310834005	tonnes
Yarn of $<85\%$ by weight of synthetic staple fibres, except those mixed with artificial fibres, carded wool or carded fine animal hair, combed wool or combed fine animal hair, or with cotton, not put up for retail sale (except sewing thread)	1310838006	tonnes
Yarn of synthetic staple fibres put up for retail sale, synthetic content $<85\%$ (except sewing thread)	1310839004	tonnes
Yarn of artificial staple fibres, not put up for retail sale (except sewing thread)	1310841000	tonnes
Yarn of artificial staple fibres put up for retail sale (except sewing thread)	1310843006	tonnes
Sewing thread of artificial or synthetic filament	1310851009	tonnes
Sewing thread of synthetic or artificial staple fibres	1310855000	tonnes
Woven fabrics of carded wool or of carded fine animal hair (except special woven and knitted or crocheted fabrics)	1320123003	thousand m2
Woven fabrics of combed wool or of combed fine animal hair (except special woven and knitted or crocheted fabrics)	1320126006	thousand m2
Woven flax fabrics of $\geq 85\%$ by weight of flax (except special woven and knitted or crocheted fabrics)	1320133002	thousand m2
Woven flax fabrics of $<85\%$ by weight of flax (except special woven and knitted or crocheted fabrics)	1320136005	thousand m2
Woven fabrics of jute or of other textile bast fibres (except flax, true hemp, raffia and ramie) (except special woven and knitted or crocheted fabrics)	1320140007	thousand m2
Woven fabrics of true hemp, ramie or other vegetable fibres (except flax, jute and other bast fibres); woven paper yarn fabrics (except special woven and knitted fabrics)	1320190002	thousand m2
Woven cotton fabrics of ≤ 200 g/m2, not coloured yarn, (except leno), for apparel (except special woven and knitted or crocheted fabrics)	1320201407	thousand m2
Woven cotton fabrics of ≤ 200 g/m2, not coloured yarn, (except leno), for household linen or home textiles (except special woven and knitted or crocheted fabrics)	1320201709	thousand m2

NAME	PRODCOM	UNIT
Woven cotton fibres of ≤ 200 g/m ² , without coloured yarn, (except leno and dressing fabrics ≤ 100 g/m ²), for technical and industrial uses (except special woven and knitted or crocheted fabrics)	1320201908	thousand m ²
Woven cotton fabrics, with coloured yarns, for shirts and blouses, weighing ≤ 200 gr/m ² (except special woven and knitted or crocheted fabrics)	1320203107	thousand m ²
Woven cotton fabrics > 200 g/m ² , without coloured yarn, for garments (except special woven and knitted or crocheted fabrics)	1320204200	thousand m ²
Woven fabrics of cotton > 200 g/m ² , without coloured yarn, for household linen or other home textiles (except special woven and knitted or crocheted fabrics)	1320204401	thousand m ²
Woven cotton fabrics of > 200 g/m ² , without coloured yarn, for technical and industrial uses (except special woven and knitted or crocheted fabrics)	1320204902	thousand m ²
Woven cotton fabrics, with coloured yarns, for apparel except shirts and blouses (except special woven and knitted or crocheted fabrics)	1320207203	thousand m ²
Woven fabrics of cotton, with coloured yarns, for household linen or other home textiles (except special woven and knitted or crocheted fabrics)	1320207404	thousand m ²
Woven cotton fabrics, with coloured yarns, for technical and industrial uses (except special woven and knitted or crocheted fabrics)	1320207905	thousand m ²
Woven fabrics of synthetic staple fibres, except those made from high tenacity yarn or using strips or similar (except special woven and knitted or crocheted fabrics)	1320315000	thousand m ²
Woven fabrics of artificial staple fibres, except those made from high tenacity yarn or using strips or similar (except special woven and knitted or crocheted fabrics)	1320317006	thousand m ²
Woven fabrics of synthetic staple fibres containing $\geq 85\%$ by weight of synthetic staple fibres (except special woven and knitted or crocheted fabrics)	1320321008	thousand m ²
Woven fabrics of synthetic staple fibres containing $< 85\%$ by weight of synthetic staple fibres, mixed with cotton, without coloured yarn (except special woven and knitted or crocheted fabrics)	1320322006	thousand m ²
Woven fabrics of synthetic staple fibres containing $< 85\%$ by weight of synthetic staple fibres, mixed with cotton, with coloured yarn (except special woven and knitted or crocheted fabrics)	1320323004	thousand m ²
Woven fabrics of synthetic staple fibres containing $< 85\%$ by weight of synthetic staple fibres, mixed with carded wool (except special woven and knitted or crocheted fabrics)	1320324002	thousand m ²
Woven fabrics of synthetic staple fibres containing $< 85\%$ by weight of synthetic staple fibres, mixed with combed wool (except special woven and knitted or crocheted fabrics)	1320325009	thousand m ²
Woven fabrics of synthetic staple fibres containing $< 85\%$ by weight of synthetic staple fibres mixed with other fibres, except wool, fine animal hair or cotton (except special woven and knitted or crocheted fabrics)	1320329001	thousand m ²
Woven fabrics of artificial staple fibres, without coloured yarn (except special woven and knitted or crocheted fabrics)	1320333003	thousand m ²
Terry towelling and similar woven terry fabrics, of cotton (except special woven and knitted or crocheted fabrics)	1320420005	thousand m ²
Terry towelling and similar woven terry fabrics, except cotton ones (except special woven and knitted or crocheted fabrics)	1320430004	thousand m ²
Knitted or crocheted pile fabrics (of velvet, plush, terry fabrics, etc.), except artificial or real fur articles	1391110001	tonnes

NAME	PRODCOM	UNIT
Woven and knitted or crocheted fabrics (except long pile fabrics, velvets and woven fabrics of artificial or real fur fabrics)	1391191001	tonnes
Patent, coated or metallised leather	1511220001	m2
Bovine leather without hair on, not split	1511310008	kg
Bovine leather without hair on, split	1511320007	kg
Horse leather without hair on	1511330006	kg
Sheep leather without hair on, tanned but not further prepared (except chamois leather)	1511413007	kg
Sheep leather without hair on, tanned and further prepared (except patent, coated or metallised leather)	1511415002	m2
Goat leather without hair on, tanned but not further prepared (except chamois leather)	1511423006	kg
Goat leather without hair on, tanned and further prepared (except patent, coated or metallised leather)	1511425001	m2
Swine leather without hair on, tanned but not further prepared	1511433005	kg
Swine leather without hair on, tanned and further prepared (except patent, coated or metallised leather)	1511435000	m2
Animal leather without hair on (except bovine, horse, sheep, goat and swine leather)	1511510006	kg
Artificial of composition leather with a basis of leather or leather fibre, in slabs, sheets or strips	1511520005	m2
Chemical wood pulp for dissolving	1711110006	t. 90% sdt
Chemical wood pulp, soda or sulphate	1711120005	t. 90% sdt
Chemical wood pulp, sulphite	1711130004	t. 90% sdt
Wood pulp obtained by mechanical pulping processes; semi-chemical wood pulp; pulp made of cellulosic materials other than wood (from linters, old paper, rags, straw, esparto leaves, etc.)	1711140003	t. 90% sdt
Pitch and pitch coke, obtained from coal tar or other mineral tars	1910300009	tonnes
Liquefied petroleum gases (LPG) and other gaseous hydrocarbons: propane, butane for the production of energy or heat	1920312094	tonnes
Liquefied petroleum gases (LPG) and other gaseous hydrocarbons: propane, butane used as feedstock in refineries	1920313092	tonnes
Liquefied petroleum gases (LPG) and other gaseous hydrocarbons: propane, butane used as feedstock in the petrochemical industry	1920317093	tonnes
Liquefied petroleum gases (LPG) and other gaseous hydrocarbons: refinery gases (ethane, ethylene, with a purity of < 95 %; propylene, butylene, butadiene, with a purity of < 90 %, etc.)	1920320097	terajoule
Argon	2011112005	thousand m3
Helium	2011114001	thousand m3
Noble gases (except argon and helium): neon, krypton and xenon	2011119000	thousand m3
Hydrogen	2011115008	thousand m3
Nitrogen	2011116006	thousand m3

NAME	PRODCOM	UNIT
Oxygen	2011117004	thousand m3
Carbon dioxide	2011123002	tonnes
Sulphur trioxide (sulphuric anhydride); diarsenic trioxide	2011125007	tonnes
Nitrogen oxides	2011127003	tonnes
Inorganic oxygen compounds of non-metal elements (except nitrogen oxides, carbon, silicon and sulphur dioxides and sulphur and diarsenic trioxides)	2011129009	tonnes
Liquid air; Compressed air	2011130007	kg
Zinc oxide; Zinc peroxide	2012113001	kg
Titanium oxides	2012115006	kg. tio2
Manganese dioxide	2012121004	kg
Manganese oxide with a manganese content $\geq 77\%$ by weight	2012122002	kg
Manganese oxide with a manganese content $< 77\%$ by weight	2012123000	kg
Oxides and hydroxides of chrome; lead and copper	2012124008	kg
Iron oxides and hydroxides; earth colours containing $\text{Fe}_2\text{O}_3 \geq 70\%$ by weight	2012191007	kg
Cobalt oxides and hydroxides; Commercial cobalt oxides	2012193003	kg
Lithium oxide and hydroxide	2012195504	kg
Vanadium oxides and hydroxides	2012196006	kg
Nickel oxides and hydroxides	2012196502	kg
Germanium oxides and zirconium dioxide	2012197004	kg
Molybdenum oxides and hydroxides	2012197302	kg
Antimony oxides	2012197500	kg
Beryllium oxide and hydroxide	2012198002	kg
Tungsten oxide and hydroxide	2012198109	kg
Inorganic bases, oxides, hydroxides and peroxides of metals: oxide, hydroxide and peroxide of calcium, oxide of cadmium, etc., (except oxide and peroxide of zinc; oxides of titanium and antimony; oxides and hydroxides of chromium, tin, manganese, lead, copper, iron, earth colours with a Fe_2O_3 content $\geq 70\%$ by weight, lithium, vanadium, nickel, germanium, molybdenum and cobalt; commercial cobalt oxides, zirconium dioxide, oxides and hydroxides of beryllium and tungsten (tungsten))	2012199705	kg
Tin oxides and hydroxides	2012199609	kg
Synthetic organic colouring matter: Disperse dyes and preparations based thereon	2012211000	kg
Synthetic organic colouring matter: Acid dyes and preparations; mordant dyes and preparations based thereon	2012212008	kg
Synthetic organic colouring matter: Basic dyes and preparations based thereon	2012213006	kg
Synthetic organic colouring matter: Direct dyes and preparations based thereon	2012214004	kg
Synthetic organic colouring matter (except disperse, acid, mordant, basic, direct and fluorescent brightening agents and preparations based thereon)	2012215001	kg
Synthetic organic colouring matter used as fluorescent brightening agents	2012216009	kg

NAME	PRODCOM	UNIT
Colour varnishes and preparations thereon	2012217007	kg
Tanning extracts of vegetable origin; tannins and their salts; ethers, esters and other derivatives	2012225000	kg
Colouring matter of vegetable or animal origin (including dye extracts) and preparations thereof (except animal bone black)	2012227006	kg
Organic synthetic tanning products	2012233004	kg
Inorganic tanning products; tanning preparations; enzymatic preparations for pretanning	2012235009	kg
Pigments and preparations based on titanium dioxide, containing $\geq 80\%$ titanium dioxide by weight	2012241503	kg. tio2
Pigments and preparations based on titanium dioxide (except those with $\geq 80\%$ titanium dioxide by weight)	2012241901	kg. tio2
Colouring matter (except synthetic colouring matter and colouring matter of vegetable or animal origin); pigments and preparations based on inorganic or mineral colouring matter (except those based on titanium dioxide); inorganic products of a kind used as luminophores	2012245008	kg
Chlorine	2013211105	tonnes
Iodine, fluoride, bromine	2013211607	kg
Sublimated or precipitated sulphur; colloidal sulphur	2013212006	tonnes
Carbon (carbon blacks and other forms of carbon)	2013213004	tonnes
Boron	2013214109	kg
Tellurium	2013214204	kg
Silicon with a silicon content $\geq 99.99\%$ by weight	2013216007	kg
Silicon (except with a silicon content $\geq 99.99\%$ by weight)	2013217005	kg
Phosphorus	2013218100	kg
Arsenic and selenium	2013218509	kg
Phosphorus oxychloride	2013221007	kg
Phosphorus trichloride	2013222005	kg
Phosphorus pentachloride	2013223003	kg
Chlorides and phosphorus oxychlorides (except oxychloride, trichloride and pentachloride)	2013224001	kg
Halides and oxyhalides of non-metallic elements other than phosphorus	2013223708	kg
Phosphorus sulphides; commercial phosphorus trisulphide	2013227004	tonnes
Non-metallic sulphides (except phosphorus sulphides and commercial phosphorus trisulphide)	2013228002	tonnes
Alkali or alkaline earth metals (sodium, calcium, etc.); rare earth metals; mercury (except cerium, lanthanum, praseodymium, neodymium, samarium, europium, gadolinium, terbium, dysprosium, holmium, erbium, thulium, ytterbium, lutetium, yttrium, and scandium)	2013231900	kg
Cerium, lanthanum, praseodymium, neodymium and samarium	2013231006	kg
Europium, gadolinium, terbium, dysprosium, holmium, erbium, thulium, ytterbium, lutetium, and yttrium	2013231103	kg

NAME	PRODCOM	UNIT
Scandium	2013231208	kg
Hydrogen chloride (hydrochloric acid)	2013241303	t. hcl
Chlorosulphuric acid	2013241501	kg
Sulphuric acid; Oleum	2013243404	t. h2so4
Diphosphorus pentoxide	2013245304	t. p2o5
Phosphoric acid and polyphosphoric acids	2013245502	t. p2o5
Boron trioxide	2013246206	tonnes
Boron oxides and boric acids (except diboron trioxide)	2013246500	tonnes
Inorganic acids and other non-metallic oxygen inorganic compounds (except hydrochloric acid, hydrochloric, chlorosulfuric, sulphuric, nitric, sulphonitric, boric, hydrofluoric, phosphoric and poliphosphoric acids)	2013246908	tonnes
Hydrogen fluoride (hydrofluoric acid)	2013247300	t. hf
Silicon dioxide (silica)	2013247508	t. sio2
Sulphur dioxide	2013247707	t. so2
Solid sodium hydroxide (caustic soda)	2013252508	t. naoh
Sodium hydroxide in aqueous solution (caustic soda lye)	2013252707	t. naoh
Potassium hydroxide (caustic potash)	2013253000	t. koh
Sodium or potassium peroxides	2013255005	tonnes
Magnesium hydroxide and peroxide	2013256301	kg
Strontium and barium oxide, hydroxide and peroxide	2013256509	kg
Aluminium hydroxide	2013257001	t. al2o3
Hydrazine and hydroxylamine and their inorganic salts	2013258009	kg
Fluorides; fluorosilicates; fluoroaluminates and other complex fluoride salts: lithium hexafluorophosphate (1-), lithium difluorophosphate, lithium hexafluoroarsenate monohydrate, lithium tetrafluoroborate	2013311500	t. f
Fluorides; fluorosilicates; fluoroaluminates and other fluorine complex salts: aluminium, ammonium, sodium, etc., sodium hexafluoroaluminate "synthetic cryolite", dipotassium hexafluorocycronate, etc. (except lithium hexafluorophosphate (1-), lithium difluorophosphate, lithium hexafluoroarsenate monohydrate and lithium tetrafluoroborate, and inorganic or organic mercury compounds)	2013311908	t. f
Magnesium chloride	2013313107	tonnes
Nickel chloride	2013313202	tonnes
Tin chloride	2013313308	tonnes
Cobalt chloride	2013313403	tonnes
Chlorides (except those of lithium, ammonium, sodium, potassium, magnesium, nickel, tin and cobalt)	2013313801	tonnes
Lithium chloride	2013313506	tonnes
Copper oxychlorides and hydroxychlorides and other metals	2013315005	tonnes
Bromides and oxybromides (except sodium, potassium and lithium bromides)	2013317309	tonnes

NAME	PRODCOM	UNIT
Lithium bromides	2013317203	tonnes
Sodium and potassium bromides, iodides and oxyiodides	2013317905	tonnes
Hypochlorites; commercial calcium hypochlorite; chlorites; hypobromites	2013323009	tonnes
Chlorates and perchlorates; bromates and perbromates; iodates and periodates (except lithium perchlorates)	2013325908	tonnes
Lithium perchlorates	2013325101	tonnes
Calcium, antimony or iron sulphides	2013411106	tonnes
Sulphides (sodium, etc.) (except calcium, antimony or iron); polysulphides, whether or not chemically defined; dithionites and sulphonylates	2013412007	tonnes
Sulphites	2013413303	tonnes
Thiosulphates	2013413501	kg
Aluminium sulphates	2013415000	tonnes
Barium sulphates	2013415506	tonnes
Magnesium sulphates	2013416008	kg
Nickel sulphates	2013416105	kg
Cobalt or titanium sulphates	2013416200	kg
Sulphates (except thiosulphates, aluminium sulphates, barium sulphates, ammonium sulphates, potassium sulphates, magnesium sulphates, nickel sulphates, cobalt sulphates, titanium sulphates): sodium sulphate, copper sulphate, cadmium sulphate, zinc sulphate, lead sulphate, etc.	2013416504	kg
Alum	2013417304	kg
Peroxosulphates (persulphates)	2013417502	kg
Barium, beryllium, cadmium or lead nitrates	2013421306	kg. n
Cobalt nitrates	2013421401	kg. n
Nickel nitrates	2013421504	kg. n
Nitrates of copper and other nitrates (except of potassium, barium, beryllium, cadmium, cobalt, lead or nickel)	2013421200	kg. n
Phosphinates (hypophosphites) and phosphonates (phosphites)	2013422006	kg
Monosodium or disodium phosphates	2013423004	t. p2o5
Calcium hydrogen orthophosphate (dicalcium phosphate)	2013424002	t. p2o5
Sodium triphosphate (sodium tripolyphosphate)	2013427005	t. p2o5
Phosphates and polyphosphates (except calcium hydrogen orthophosphate, lithium, sodium, disodium and ammonium phosphates and sodium triphosphate)	2013428907	kg
Lithium phosphates	2013428100	kg
Disodium carbonate (commercial soda)	2013431007	kg. na2co3
Sodium hydrogen carbonate (bicarbonate)	2013432005	kg
Calcium carbonate (precipitate)	2013434001	kg
Lithium carbonates with a minimum Li ₂ CO ₃ content >= 99.5%	2013435105	kg

NAME	PRODCOM	UNIT
Lithium carbonates with a Li ₂ CO ₃ content < 99.5%	2013435200	kg
Carbonates: potassium, barium, strontium, magnesium or copper, etc.; commercial ammonium and other ammonium; peroxocarbonates (percarbonates), etc., (except disodium, hydrogen carbonate (sodium bicarbonate), of cobalt and lithium)	2013439904	kg
Cobalt carbonates	2013439609	kg
Chromates (zinc, lead, etc.) and dichromates (sodium, potassium, etc.); peroxochromates (ultramarine yellow)	2013512506	kg
Inorganic or organic compounds, of mercury, chemically defined (except for amalgams)	2013527008	tonnes
Inorganic or organic compounds, of mercury, non-chemically defined (except for amalgams)	2013527504	tonnes
Cyanides, oxycyanides and complex cyanides	2013622002	tonnes
Borates and peroxoborates (perborates)	2013623000	t. b ₂ o ₃
Silicates; commercial alkali metal silicates	2013624008	t. sio ₂
Double or complex silicates	2013627001	tonnes
Salts of inorganic acids or peroxyacids (fulminates, cyanates, thiocyanates, etc.) (except azides and double or complex silicates)	2013628009	tonnes
Hydrogen peroxide (hydrogen peroxide)	2013630005	t. h ₂ o ₂
Silicon carbides, whether or not chemically defined	2013641002	tonnes
Boron carbides, whether or not chemically defined	2013642000	tonnes
Tungsten carbides, whether or not chemically defined	2013643008	tonnes
Carbides of aluminium, chromium, molybdenum, vanadium, tantalum, tantalum or titanium, whether or not chemically defined	2013645100	tonnes
Carbides, whether or not chemically defined (except those of silicon, boron, tungsten, aluminium, chromium, molybdenum, tantalum, titanium, vanadium and vanadium)	2013649005	tonnes
Phosphides (except ferrophosphorus), whether or not chemically defined; hydrides, nitrides, azides (azides), silicides and borides, whether or not chemically defined, except compounds also consisting of carbides of heading 2849	2013648007	kg
Saturated acyclic hydrocarbons (ethane, butane, pentane, etc.), purity >= 95%	2014112009	tonnes
Unsaturated acyclic hydrocarbons: Ethylene purity >= 95%	2014113007	tonnes
Unsaturated acyclic hydrocarbons: Propene (propylene) purity >= 90%	2014114005	tonnes
Unsaturated acyclic hydrocarbons: Butene (butylene) and its isomers, purity >= 90%	2014115002	tonnes
Unsaturated acyclic hydrocarbons: Buta-1,3-diene, isoprene, purity >= 90%	2014116000	tonnes
Unsaturated acyclic hydrocarbons (acetylene, propadiene, etc.) purity >= 90% (except ethylene, propene butene and its isomers, buta-1, 3-diene, isoprene)	2014119004	tonnes
Cyclohexane	2014121308	tonnes
Cyclane, cyclenic and cycloterpenic hydrocarbons, except cyclohexane	2014121506	tonnes
Benzene purity >= 95% by weight	2014122306	tonnes

NAME	PRODCOM	UNIT
Toluene purity >= 95% by weight	2014122504	tonnes
O-Xylene purity >= 95% by weight	2014124302	tonnes
P-Xylene purity >= 95% by weight	2014124500	tonnes
M-Xylene and blends of xylene isomers purity >= 95% by weight	2014124709	tonnes
Styrene	2014125001	tonnes
Ethylbenzene	2014126009	tonnes
Cumene	2014127007	tonnes
Naphthalene, crystallisation point >= 79.4° C, anthracene purity >= 90% by weight. Biphenyl, terpenyl and other cyclic hydrocarbons (except cyclane, cyclenic and cycloterpenic hydrocarbons, benzene, toluene, o-xylene, p-xylene, m-xylene, styrene, ethylbenzene and cumene)	2014129003	tonnes
Chloromethane (methyl chloride) and chloroethane (ethyl chloride)	2014131307	tonnes
Dichloromethane (methylene chloride)	2014131505	tonnes
Chloroform (trichloromethane)	2014132305	tonnes
Carbon tetrachloride	2014132503	tonnes
1,2-Dichloroethane (ethylene dichloride)	2014135308	tonnes
Saturated chlorinated derivatives of acyclic hydrocarbons (except chloromethane, chloroethane, dichloromethane, chloroform, carbon tetrachloride and 1,2-dichloroethane)	2014135705	tonnes
Vinyl chloride (chloroethylene)	2014137103	tonnes
Trichloroethylene and tetrachloroethylene (perchloroethylene)	2014137409	tonnes
Unsaturated chlorinated derivatives of acyclic hydrocarbons except vinyl chloride, trichloroethylene and tetrachloroethylene	2014137900	tonnes
Sulphonated derivatives only of hydrocarbons, their salts and ethyl esters	2014145009	tonnes
Only nitrated or only nitrosated hydrocarbon derivatives	2014147005	tonnes
Sulphonated, nitrated or nitrosated derivatives of hydrocarbons, whether or not halogenated, (except sulphonated, nitrated or nitrosated derivatives only)	2014149001	tonnes
Industrial fatty alcohols: lauric, cetyl, stearic, oleic, etc. (purity < 90% dry matter)	2014210008	kg
Methanol (methyl alcohol)	2014221005	tonnes
Propan-1-ol (propyl alcohol) and propan-2-ol (isopropyl alcohol)	2014222003	tonnes
Butan-1-ol (n-butyl alcohol)	2014223001	tonnes
Butanols except butan-1-ol (n-butyl alcohol)	2014224009	tonnes
Octanol (octyl alcohol) and its isomers	2014226302	tonnes
Lauryl alcohol, cetyl alcohol, stearyl alcohol and other saturated monohydric alcohols (except methyl, propyl, isopropyl, n-butyl, other butanols and octyl) purity >= 90% dry matter	2014226500	tonnes
Unsaturated monoalcohols: Acyclic terpenic alcohols, allylic, etc.	2014227002	tonnes
Ethylene glycol (ethanediol)	2014231004	kg
Propylene glycol (propane-1,2-diol)	2014232002	kg

NAME	PRODCOM	UNIT
D-glucitol (sorbitol)	2014233308	kg
Diols and polyols (except ethylene glycol, propylene glycol, D-glucitol and tetramethylene glycol containing 100 % carbon by mass of biological origin)	2014233705	kg
Butane-1,4-diol or tetramethylene glycol (1,4-butanediol) with a carbon content of 100 % by mass of organic origin	2014233801	kg
Halogenated, sulphonated, nitrated or nitrosated derivatives of acyclic alcohols	2014235005	kg
Glycerol (except crude), including synthetic glycerol (purity >= 95%)	2014236003	kg
Cyclanic, cyclenic or cycloterpenic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (menthol, borneol, terpinol, cyclohexanol, sterol, etc.)	2014237309	kg
Aromatic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (benzyl, phenethyl, cinnamyl, triphenylmethanol, etc.)	2014237507	kg
Monophenols (phenol, cresol, etc.) and their salts	2014241003	tonnes
4,4'-Isopropylidenediphenol (bisphenol A, diphenylpropane) and its salts	2014243307	tonnes
Polyphenols, phenol-alcohols, and their salts with the exception of 4,4'-Isopropylidenediphenol (bisphenol A, diphenylpropane)	2014243903	tonnes
Halogenated, sulphonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols	2014245004	tonnes
Industrial stearic acid (stearin)	2014312000	tonnes
Industrial oleic acid (olein) (purity < 85% dry matter)	2014313008	tonnes
Industrial fatty acids from tall oil	2014315003	tonnes
Distilled industrial monocarboxylic fatty acids, (purity < 90% dry matter) (except stearic, oleic and tall oil distillates)	2014319501	tonnes
Industrial monocarboxylic fatty acids (purity <90% dry matter) (except stearic, oleic, industrial tall oil and distilled industrial monocarboxylic fatty acids)	2014319700	tonnes
Ethyl acetate	2014321507	tonnes
Acetic acid esters (vinyl acetate and other acetates except ethyl acetate)	2014321905	tonnes
Mono-, di- or tri-chloroacetic acid, propionic, butanoic and pentanoic acids, their salts and esters	2014322009	tonnes
Palmitic and stearic acids, their salts and esters	2014323503	tonnes
Formic acid, its salts and esters	2014325002	tonnes
Acetic acid	2014327105	tonnes
Acetic anhydride	2014327703	tonnes
Acetic acid salts	2014327809	tonnes
Lauric acid, chloroformates, etc., their salts and esters	2014328006	tonnes
Acrylic acid and its salts, except its esters; other unsaturated acyclic monocarboxylic acids and cyclenic, cyclenic and cycloterpenic monocarboxylic acids, except methacrylic, oleic, linoleic or linolenic acids, their salts and esters	2014331000	tonnes
Acrylic acid esters	2014332008	tonnes
Methacrylic acid and its salts	2014333006	tonnes
Methacrylic acid esters	2014334004	tonnes

NAME	PRODCOM	UNIT
Oleic, linoleic or linolenic acids, their salts and esters (purity >= 85% dry matter)	2014335001	tonnes
Benzoic acid, its salts and its esters	2014336307	tonnes
Benzoyl peroxide and benzoyl chloride	2014336505	tonnes
Phenylacetic acid, its salts and esters	2014336704	tonnes
Other aromatic monocarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives (except benzoic acid, peroxide and benzoyl chloride and phenylacetic acid, its salts and esters)	2014337007	tonnes
Oxalic, azelaic, malonic and other acids; cyclanic, cyclenic or cycloterpenic polycarboxylic acids and their salts (except butanedioic acid (succinic acid) containing 100 % by mass of carbon of biological origin)	2014338102	tonnes
Ethane-1,2-dicarboxylic acid or butanedioic acid (succinic acid) containing 100 % by mass of carbon of biological origin	2014338207	tonnes
Adipic acid, its salts and esters	2014338501	tonnes
Maleic anhydride	2014338700	tonnes
Dibutyl and dioctyl orthophthalates	2014341009	tonnes
Orthophthalic acid esters (dinonyl, etc.), except dibutyl and dioctyl orthophthalates	2014342007	tonnes
Phthalic anhydride, terephthalic acid and their salts	2014343005	tonnes
Aromatic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and halogenated, sulphonated, nitrated or nitrosated derivatives (except esters of orthophthalic acid, phthalic anhydride and terephthalic acid and their salts)	2014344003	tonnes
Citric acid, its salts and esters	2014347304	tonnes
Carboxylic acids with alcohol, phenol, aldehyde or ketone function and their derivatives; lactic, tartaric, gluconic, phenylglyconic (mandelic), malic, gallic, anisic acids, etc., (except citric acid, salicylic acid and their salts)	2014347502	tonnes
Mono-, di- or trimethylamine and their salts	2014411305	tonnes
Diethylamine and its salts; other acyclic monoamines and their derivatives; their salts, other than mono-, di- or trimethylamine and their salts.	2014411901	tonnes
Ethylenediamine and hexamethylenediamine; their salts	2014412303	tonnes
Acyclic polyamines, their derivatives and their salts (except ethylenediamine and hexamethylenediamine and their salts)	2014412909	tonnes
Mono and polyamines, cyclane, cyclenic and cycloterpenic, their derivatives and their salts	2014413003	tonnes
Aniline and its salts (except derivatives)	2014415105	tonnes
Aniline derivatives and their salts	2014415306	tonnes
Toluidines, their derivatives and salts; other aromatic monoamines, their derivatives and salts (except aniline and its salts and aniline derivatives and salts thereof)	2014415902	tonnes
Aromatic polyamines, their derivatives and salts	2014417004	tonnes
Monoethanolamine and its salts	2014423300	tonnes
Diethanolamine and its salts	2014423508	tonnes

NAME	PRODCOM	UNIT
Amino-alcohols, their ethers and esters with a single oxygen function and their salts (except monoethanolamine and its salts, and diethanolamine and its salts)	2014423803	tonnes
Amino compounds with an oxygen function (except amino-alcohols, lysine and glutamic acid, their salts and esters)	2014429009	tonnes
Ureines and their derivatives; salts thereof	2014431005	tonnes
Saccharin and its salts	2014432003	tonnes
Imides and their derivatives; salts thereof (except saccharin)	2014433001	tonnes
Imines and their derivatives; salts thereof	2014434009	tonnes
Acrylonitrile	2014435006	tonnes
1-Cyanoguanidine (dicyandiamide)	2014436004	tonnes
Nitrile-function compounds (except acrylonitrile and 1-cyanoguanidine)	2014437002	tonnes
Diazoic, azoic or azoxy compounds	2014442002	tonnes
Organic derivatives of hydrazine or hydroxylamine	2014443000	tonnes
Isocyanates	2014445005	tonnes
Nitrogen-function compounds (except diazo, azo or azoxy compounds, organic derivatives of hydrazine or hydroxylamine and isocyanates)	2014449007	tonnes
Thiocarbamates and dithiocarbamates, mono-, di-, or tetrasulphides of thiouram; methionine	2014513304	tonnes
Organic thiocompounds (except thiocarbamates and dithiocarbamates, mono-, di-, or tetrasulphides of thiouram; ethionine)	2014513900	tonnes
Organo-inorganic compounds: Tetramethyl lead and tetraethyl lead, tributyltin compounds, dimethyl methylphosphonate, methylphosphonoethyl difluoride (methylphosphonic difluoride), methylphosphonoethyl dichloride (methylphosphonic dichloride), etc. (except organic thiocompounds)	2014515108	tonnes
Heterocyclic compounds with oxygen heteroatoms only: Tetrahydrofuran, 2-furaldehyde (furfural), furfuryl and tetrahydrofurfuryl alcohols, and piperonal	2014521505	kg
Heterocyclic compounds with oxygen heteroatoms only (except tetrahydrofuran, 2-furaldehyde (furfural), furfuryl and tetrahydrofurfuryl alcohols, piperonal, lactones)	2014522503	kg
Heterocyclic compounds, with nitrogen heteroatoms only, with an uncondensed imidazole cycle (except hydantoin)	2014523005	kg
Melamine	2014526008	kg
Compounds containing in their structure an uncondensed pyridine ring or a quinolinic or isoquinolinic ring system without further condensation; lactams; other heterocyclic compounds with nitrogen hetero-atom(s) only (except compounds containing in their structure an uncondensed pyrazole or imidazole ring, a pyrimidine or piperazine ring or an uncondensed triazine ring)	2014528004	kg
Nucleic acids and heterocyclic compounds: thiazole, benzothiazole and other cycles (except phenothiazine cycle)	2014529002	kg
Phosphoric esters and their salts (including lactophosphates); their halogenated, sulphonated, nitrated or nitrosated derivatives:	2014535009	kg
Esters of inorganic acids of non-metals (other than esters of hydrogen halides) and their salts; their halogenated, sulphonated, nitrated or nitrosated derivatives: Thiophosphoric esters (phosphorothioates), their salts and their derivatives, etc.	2014538003	kg

NAME	PRODCOM	UNIT
Methanal (formaldehyde)	2014611100	kg
Ethanal (acetaldehyde)	2014611301	kg
Butanal (butyraldehyde, normal isomer)	2014611509	kg
Acyclic aldehydes without other oxygen functions (except methanal, ethanal and butanal)	2014611907	kg
Paraformaldehyde	2014616002	kg
Acetone	2014621109	tonnes
Butanone (methyl ethyl ketone)	2014621300	tonnes
4-Methylpentan-2-one (methylisobutylketone)	2014621508	tonnes
Acyclic ketones without other oxygen functions except acetone, butanone and methylisobutylketone)	2014621906	tonnes
Camphor, aromatic ketones without other oxygenated form; ketone-alcohols, ketone-aldehydes, ketone-phenols and ketones with other oxygen functions	2014623105	tonnes
Cyclohexanone and methylcyclohexanones	2014623306	tonnes
Ionones and methylionones	2014623504	tonnes
Cyclanic, cyclenic or cycloterpenic ketones without other oxygen functions (except camphor, cyclohexanone and methylcyclohexanones, ionones and methylthionones)	2014623902	tonnes
Quinones	2014626001	tonnes
Halogenated, sulphonated, nitrated or nitrosated derivatives of ketones and quinones	2014627009	tonnes
Diethyl ether (diethyl oxide); other acyclic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives	2014631001	tonnes
Cyclanic, cyclenic, cycloterpenic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives	2014632307	tonnes
Aromatic ethers and their halogenated, sulphonated, nitrated, nitrosated or nitrosated derivatives	2014632505	tonnes
2,2'-Oxydiethanol (diethylene glycol)	2014633305	tonnes
Ether-alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (except 2,2'-Oxydiethanol (diethylene glycol))	2014633901	tonnes
Oxirane (ethylene oxide)	2014637306	tonnes
Methyloxirane (propylene oxide)	2014637504	tonnes
Epoxides, epoxyalcohols, epoxyphenols and epoxyethers, with three atoms in the cycle, and their halogenated, sulphonated, nitrated or nitrosated derivatives, except oxirane and methyloxirane (propylene oxide)	2014637902	tonnes
Acetals and hemiacetals, and their halogenated, sulphonated, nitrated or nitrosated derivatives	2014638103	tonnes
Organic compounds (except chemically pure sugars, except sucrose, lactose, maltose, glucose and fructose; sugar ethers, sugar acetals and sugar esters and their salts and antibiotics)	2014643006	tonnes
Wood tars; wood tar oils; wood creosote; wood naphtha; vegetable pitch; brewers' pitch and similar preparations based on rosin, resin acids or vegetable pitch	2014717006	kg

NAME	PRODCOM	UNIT
Benzene (purity < 95%); toluene and xylene (purity < 95%)	2014732005	tonnes
Naphthalene and aromatic hydrocarbon mixtures (except benzene, toluene and xylene)	2014734001	tonnes
Phenols	2014736006	tonnes
Creosote oils and other oils and oily products (except benzol, toluol, xiol, naphthalene and mixtures of aromatic hydrocarbons and phenols)	2014739000	tonnes
Nitric acid; sulphonitric acids	2015105000	t. n
Anhydrous ammonia	2015107502	t. n
Ammonia in aqueous solution (ammonium hydroxide)	2015107701	t. n
Ammonium chloride	2015203000	tonnes
Nitrites	2015208009	t. n
Urea with a nitrogen content > 45% by weight of the dry anhydrous product (packages > 10kg gross weight)	2015313005	t. n
Urea with a nitrogen content <= 45% by weight of dry anhydrous product (packages > 10kg gross weight)	2015318004	t. n
Ammonium sulphate (packages > 10kg gross weight)	2015320000	t. n
Ammonium nitrate (packages > 10kg gross weight)	2015330009	t. n
Double salts and mixtures of calcium nitrate and ammonium nitrate (packages > 10kg gross weight)	2015340008	t. n
Mixtures of ammonium nitrate with calcium carbonate or other inorganic non-fertilising substances with <=28% nitrogen (packages > 10kg gross weight)	2015353001	t. n
Mixtures of ammonium nitrate with calcium carbonate or other inorganic non-fertilising substances with >28% nitrogen (packages > 10kg gross weight)	2015358000	t. n
Mixture of urea with ammonium nitrate in aqueous or ammoniacal solution (packages > 10kg gross weight)	2015360006	t. n
Double salts and mixtures of ammonium sulphate and ammonium nitrate (packages > 10kg gross weight)	2015393007	t. n
Mineral or chemical nitrogenous fertilisers (calcium cyanamide, etc.) (except urea, ammonium sulphate, ammonium nitrate and double salts and mixtures of these either with each other or with other inorganic materials) (packages > 10kg gross weight)	2015399004	t. n
Superphosphates (including bone superphosphates) (except potassium superphosphates) (packages > 10kg gross weight)	2015410006	t. p2o5
Mineral or chemical phosphate fertilisers (including dephosphorisation slag) (except superphosphates) (packages > 10 kg gross weight)	2015490008	t. p2o5
Potassium chloride (packages > 10kg gross weight)	2015510009	tonnes
Potassium sulphate (packages > 10kg gross weight)	2015520008	t. k2o
Mineral or chemical potassium fertilisers (except potassium chloride and potassium sulphate) (packages > 10kg gross weight)	2015590001	t. k2o
Sodium nitrate (packages > 10kg gross weight)	2015600003	tonnes
Nitrogen, phosphorus and potassium fertilisers (packages > 10kg gross weight)	2015710008	tonnes
Diammonium hydrogen orthophosphate (diammonium phosphate) (packages > 10kg gross weight)	2015720007	tonnes

NAME	PRODCOM	UNIT
Ammonium dihydrogen orthophosphate (monoammonium phosphate) whether or not mixed with diammonium phosphate (packages > 10kg gross weight)	2015730006	tonnes
Mineral or chemical fertilisers containing both nitrogen and phosphorus (fertilisers containing nitrates and phosphates) (packages > 10kg gross weight)	2015740005	tonnes
Potassium superphosphates and other fertilisers containing phosphorus and potassium (packages > 10kg gross weight)	2015750004	tonnes
Potassium nitrate	2015760003	t. n
Fertilisers of any composition in packages of a gross weight =< 10 kg	2015793004	tonnes
Mineral or chemical fertilisers containing nitrogen and potassium (packages > 10kg gross weight)	2015798003	tonnes
Animal or vegetable fertilisers, whether or not mixed together or chemically treated; fertilisers resulting from the mixing or chemical treatment of products of animal or vegetable origin (other than bones) (packages > 10 kg gross weight)	2015800005	tonnes
Linear polyethylene of density < 0.94, in primary forms	2016103509	tonnes
Polyethylenes of density < 0.94, in primary forms other than linear	2016103907	tonnes
Polyethylene of density $p \geq 0.94$, in primary forms	2016105008	tonnes
Copolymers of ethylene and vinyl acetate, in primary forms	2016107004	tonnes
Polymers of ethylene in primary forms, (other than polyethylene and copolymers of ethylene and vinyl acetate)	2016109000	tonnes
Expandable polystyrene, in primary forms	2016203504	tonnes
Polystyrene (except expandable polystyrene) in primary forms	2016203902	tonnes
Styrene-acrylonitrile copolymers (SAN), in primary forms	2016205003	tonnes
Acrylonitrile-butadiene-styrene copolymers (ABS), in primary forms	2016207009	tonnes
Polymers of styrene in primary forms (except polystyrene, styrene-acrylonitrile copolymers and acrylonitrile-butadiene-styrene copolymers)	2016209005	tonnes
Polyvinyl chloride, not mixed with other substances, in primary forms	2016301008	tonnes
Mixed polyvinyl chloride, non-plasticised, in primary forms	2016302304	tonnes
Mixed polyvinyl chloride, plasticised, in primary forms	2016302502	tonnes
Copolymers of vinyl chloride and vinyl acetate and other vinyl chloride copolymers, in primary forms	2016304002	tonnes
Fluorinated polymers in primary forms	2016306007	tonnes
Polymers of halogenated olefins, in primary forms except polyvinyl chloride, copolymers of vinyl chloride and vinyl acetate and fluorinated polymers)	2016309001	tonnes
Polyacetals (polyoxymethylenes), in primary forms	2016401301	tonnes
Polyethylene glycols and other polyether alcohols, in primary forms	2016401509	tonnes
Polyethers, in primary forms (except polyacetals and polyether-alcohols)	2016402001	tonnes
Epoxy resins, in primary forms	2016403009	tonnes
Polycarbonates, in primary forms	2016404007	tonnes
Alkyd resins, in primary forms	2016405004	tonnes

NAME	PRODCOM	UNIT
Polyethylene terephthalate (PET), in primary forms with a viscosity number of \geq 78 ml/g	2016406204	tonnes
Polyethylene terephthalate (PET), in primary forms (except with a viscosity number of \geq 78ml/g)	2016406405	tonnes
Liquid unsaturated polyesters, in primary forms (except polyacetals, other polyethers, epoxy resins, polycarbonates, alkyd resins and polyethylene terephthalate)	2016407000	tonnes
Unsaturated polyesters, in primary forms (except. liquid polyesters, polyacetals, other polyethers, epoxy resins, polycarbonates, alkyd resins and polyethylene terephthalate)	2016408008	tonnes
Polyesters, in primary forms (except polyacetals, other polyethers, epoxy resins, polycarbonates, alkyd resins, polyethylene terephthalate and other unsaturated polyesters)	2016409006	tonnes
Polypropylene in primary forms	2016513001	tonnes
Polymers of propylene or other olefins, in primary forms (polyisobutylene, ptopylene copolymers, etc.), (except polypropylene)	2016515006	tonnes
Polymers of vinyl acetate, in aqueous dispersion, in primary forms	2016523000	tonnes
Polymers of vinyl acetate (except in aqueous dispersion), in primary forms	2016525005	tonnes
Polymers of vinyl esters or other vinyl polymers in primary forms (except vinyl acetate polymers)	2016527001	tonnes
Polymethyl methacrylate, in primary forms	2016535004	tonnes
Acrylic polymers in primary forms (except polymethyl polymethacrylate)	2016539006	tonnes
Polyamides -6, -11, -12, -6,6, -6,9, -6,10 or -6,12, in primary forms	2016545003	tonnes
Polyamides, in primary forms (except polyamides -6, -11, -12, -6,6, -6,9, -6,10 or -6,12)	2016549005	tonnes
Urea resins; thiourea resins, in primary forms	2016555002	tonnes
Melamine resins, in primary forms	2016557008	tonnes
Aminic resins, in primary forms (except ureic, thiourea and melamine resins)	2016563006	tonnes
Phenolic resins, in primary forms	2016565001	tonnes
Polyurethanes, in primary forms	2016567007	tonnes
Silicones, in primary forms	2016570001	tonnes
Petroleum resins, curamone-indene resins, polyterpenes, polysulphides, polysulphones and other resins in primary forms	2016592005	tonnes
Carboxymethyl cellulose and its salts	2016594507	tonnes
Cellulose and its chemical derivatives in their primary forms, except for carboxymethyl cellulose and its salts	2016595008	tonnes
Natural polymers and modified natural polymers in primary forms: alginic acid, its salts and esters	2016595504	tonnes
Natural polymers and modified natural polymers in primary forms: hardened proteins and chemical derivatives of natural rubber, etc. (except alginic acid, its salts and esters)	2016596502	tonnes
Ion exchangers based on synthetic or natural polymers, in primary forms	2016597004	tonnes
Synthetic latex	2017105006	tonnes

NAME	PRODCOM	UNIT
Synthetic rubbers (except latex)	2017109008	tonnes
Crude glycerine (purity < 95%); glycerine waters and glycerine lyes	2041100007	kg
Organic (except soap) anionic surface-active agents	2041202008	kg
Organic (except soap) cationic surface-active agents	2041203006	kg
Non-ionic organic (except soap) surface-active agents	2041205001	kg
Organic surface-active agents (except soap, anionic, cationic and non-ionic)	2041209003	kg
Synthetic staple fibres of aramid, not carded, combed or processed for spinning	2060111004	tonnes
Nylon or other polyamide tow and synthetic staple fibres of nylon or other polyamides (except aramid fibres), not carded, combed or processed for spinning	2060112002	tonnes
Synthetic polyester staple fibres and tow, not carded, combed or processed for spinning	2060113000	tonnes
Staple fibres and tow of acrylic and modacrylic fibres, not carded, combed or processed for spinning	2060114008	tonnes
Polypropylene staple fibres and tow, not carded, combed or processed for spinning	2060115005	tonnes
Yarn of synthetic staple fibres and tow, not carded, combed or processed for spinning (except aramides, nylon and other polyamides, of polyesters, of acrylic and modacrylic fibres and of polypropylene)	2060119007	tonnes
Salicylic acid and its salts	2110103003	kg
O-acetylsalicylic acid, its salts and its esters	2110105008	kg
Esters of salicylic acid and its salts (except o-acetylsalicylic acid)	2110107004	kg
Lysine and its esters; and their salts	2110201002	kg
Glutamic acid and its salts	2110202000	kg
Quaternary ammonium salts and hydroxides, lecithins and other phosphoaminolipids whether or not chemically defined (choline and its salts, etc.)	2110204006	kg
Acyclic amides (including acyclic carbamates) and derivatives thereof; their salts	2110206001	kg
Cyclic amides and their derivatives and salts (including cyclic carbamates) (except ureines and derivatives and their salts)	2110207009	kg
Lactones: Phenolphthalein; 1-hydroxy-4-[1-(4-hydroxy-3-methoxycarbonyl-1-naphthyl)-3-oxo-1H,3H-benzo[de]isochromen-1-yl]-6-octadecyloxy-2-naphthoic acid; 3'-chloro-6'-cyclohexylamino-spiro[isobenzofuran-1(3H),9'-xanthene]-3-one; 6'-(N-ethyl-p-toluidino)-2'-methylspiro[isobenzofuran-1(3H),9'-xanthene]-3-one; methyl-6-docosyloxy-1-hydroxy-4-[1-(4-hydroxy-3-methyl-1-phenanthryl)-3-oxo-1H,3H-naphtho[1,8-cd]pyran-1-yl]naphthalen-2-carboxylate; gammabutyrolactone	2110311702	kg
Lactones (except phenolphthalein; 1-hydroxy-4-[1-(4-hydroxy-3-methoxycarbonyl-1-naphthyl)-3-oxo-1H,3H-benzo[de]isochromen-1-yl]-6-octadecyloxy-2-naphthoic acid; 3'-chloro-6'-cyclohexylamino-spiro[isobenzofuran-1(3H),9'-xanthene]-3-one; 6'-(N-ethyl-p-toluidino)-2'-methylspiro[isobenzofuran-1(3H),9'-xanthene]-3-one; methyl-6-docosyloxy-1-hydroxy-4-[1-(4-hydroxy-3-methyl-1-phenanthryl)-3-oxo-1H,3H-naphtho[1,8-cd]pyran-1-yl]naphthalen-2-carboxylate; gamma-butyrolactone, and inorganic or organic mercury compounds)	2110311901	kg

NAME	PRODCOM	UNIT
Compounds with an uncondensed pyrazole cycle (whether or not hydrogenated)	2110313003	kg
Hydantoin and its derivatives	2110314001	kg
Malonylurea (barbituric acid) and its derivatives; their salts	2110315504	kg
Compounds containing a pyrimidine cycle (whether or not hydrogenated) or a piperazine cycle in the structure (except malonylurea (barbituric acid) and its derivatives)	2110315902	kg
Compounds with an uncondensed triazine cycle (whether or not hydrogenated) (except melamine)	2110317004	kg
Compounds with phenothiazine cycles (whether or not hydrogenated) without further condensation	2110318002	kg
Sulphonamides	2110320008	kg
Pure sugars, except for glucose, sucrose, lactose, maltose and fructose; sugar ethers and esters and their salts, except for hormones, heteroxides and alkaloids, natural or reproduced by synthesis	2110400005	kg
Antibiotics	2110540004	kg
Reclaimed rubber in primary forms or in plates, sheets or strips	2219100005	tonnes
Cement clinkers	2351110003	tonnes
Dolomite, calcined or sintered, in the rough, roughly trimmed or merely cut into blocks or slabs of a rectangular or square shape	2352303007	tonnes
Dolomite agglomerate	2352305109	tonnes
Calcined kaolin	2399194006	kg
Production of pig iron and spiegeleisen in pigs, blocks or other primary forms	2410110004	tonnes
Ingots and primary forms: Intermediate flat-rolled products of non-alloy steel manufactured in electric furnaces	2410211016	tonnes
Ingots and primary forms: Intermediate flat-rolled products of non-alloy steel manufactured through a procedure other than involving electric furnaces	2410211025	tonnes
Ingots and primary forms and intermediate long seamless tube and pipe products of non-alloy steel manufactured in electric furnaces	2410212111	tonnes
Ingots and primary forms and intermediate long seamless tube and pipe products of non-alloy steel manufactured through a procedure other than involving electric furnaces	2410212120	tonnes
Ingots, other primary forms and intermediate long products, including unwrought products, non-alloy steel (other than for seamless pipes and tubes) manufactured in electric furnaces	2410212216	tonnes
Ingots, other primary forms and intermediate long products, including unwrought products, non-alloy steel (except seamless pipes and tubes), manufactured through a procedure other than involving electric furnaces	2410212225	tonnes
Stainless steel intermediate flat-rolled products (flat slabs) manufactured in electric furnaces	2410221015	tonnes
Stainless steel intermediate flat-rolled products (flat slabs) manufactured through a procedure other than involving electric furnaces	2410221024	tonnes
Ingots and primary forms and intermediate long seamless tube and pipe products of stainless steel manufactured in electric furnaces	2410222110	tonnes

NAME	PRODCOM	UNIT
Ingots and primary forms and intermediate long seamless tube and pipe products of stainless steel manufactured through a procedure other than involving electric furnaces	2410222129	tonnes
Ingots, other primary forms and intermediate long products, of stainless steel (except for seamless pipes and tubes) manufactured in electric furnaces	2410222215	tonnes
Ingots, other primary forms and intermediate long products, of stainless steel (except seamless pipes and tubes), manufactured through a procedure other than involving electric furnaces	2410222224	tonnes
Intermediate flat-rolled products of alloy steel, except stainless steel, manufactured in electric furnaces	2410231014	tonnes
Intermediate flat-rolled products of alloy steel, except stainless steel, manufactured through a procedure other than involving electric furnaces	2410231023	tonnes
Ingots, other primary forms and intermediate long seamless tube and pipe products of alloy steel, except stainless steel manufactured in electric furnaces	2410232119	tonnes
Ingots and primary forms and intermediate long seamless tube and pipe products of alloy steel, except those manufactured through a procedure other than involving electric furnaces	2410232128	tonnes
Ingots, other primary forms and intermediate long products, of alloy steel other than stainless steel (except for seamless pipes and tubes) manufactured in electric furnaces	2410232214	tonnes
Ingots, other primary forms and intermediate long products, of alloy steel other than stainless steel (except seamless pipes and tubes), manufactured through a procedure other than involving electric furnaces	2410232223	tonnes
Flat-rolled products of iron or non-alloy steel, of a width ≥ 600 mm, hot-rolled, not further prepared, not clad, plated or coated, in coils	2410311003	tonnes
Wide flat-rolled products, also known as 'universal flat products', of iron or non-alloy steel, hot-rolled on four faces or in closed box flutes without further preparation, not clad, plated or coated, of $150 \text{ mm} < \text{width} \leq 600 \text{ mm}$ and thickness $\geq 4 \text{ mm}$, not in coils and without patterns in relief	2410321002	tonnes
Flat-rolled products of iron or non-alloy steel, of a width < 600 mm, hot-rolled, not further prepared, not clad, plated or coated (except wide flat-rolled products)	2410323008	tonnes
Hot-rolled flat products of stainless steel, in coils, for re-rolling, of a width of ≥ 600 mm	2410331001	tonnes
Hot-rolled flat products of stainless steel, in coils, of a width ≥ 600 mm (except for re-rolling)	2410332009	tonnes
Plates and sheets produced by hot-rolled wide strip cutting of a width of ≥ 600 mm, of stainless steel	2410333007	tonnes
Plates and sheets of a width of ≥ 600 mm and wide flat-rolled products, of stainless steel	2410334005	tonnes
Hot-rolled flat products of stainless steel, in coils, of a width < 600 mm: for re-rolling	2410341000	tonnes
Hot-rolled flat products of stainless steel, in coils, of a width < 600 mm, except for re-rolling	2410342008	tonnes
Flat-rolled products of non-stainless alloy steel, of a width ≥ 600 mm, for tools, hot-rolled, not further prepared, in coils (other than of high-speed steel or magnetic silicon steel)	2410351009	tonnes
High speed steel flat products of width ≥ 600 mm, hot rolled in coils	2410352104	tonnes

NAME	PRODCOM	UNIT
High speed steel flat products of width \geq 600 mm, cold rolled in coils	2410431006	tonnes
Flat-rolled products, of alloy steel other than stainless steel, of a width \geq 600 mm, for tools, hot-rolled without further preparation, not in coils (except products with organic coating, products of a thickness $<$ 4.75 mm and products of high-speed steel or magnetic silicon steel)	2410353005	tonnes
Flat-rolled products of non-stainless alloy steel, of a width \geq 600 mm, hot-rolled without further preparation, not in coils, of a thickness $<$ 4.75 mm (except products of tool steel, high-speed steel or magnetic silicon steel)	2410354003	tonnes
Flat-rolled products of non-stainless alloy steel, hot-rolled, not further prepared, of a width $<$ 600 mm (except products of high-speed steel or magnetic silicon steel)	2410360000	tonnes
Cold-rolled sheets, plates and strips, of a width \geq 600 mm, of non-alloy steel	2410411008	tonnes
Non-alloy steel sheets and strips, magnetic, without final annealing, of a width \geq 600 mm, of non-alloy steel	2410413004	tonnes
Non-grain oriented magnetic strips and sheets, of a width \geq 600 mm, of non-alloy steel	2410415009	tonnes
Cold-rolled sheets, plates and wide strip products, of a width \geq 600 mm, of stainless steel	2410420009	tonnes
Tinplate and other tin-plated sheets and strips, including electrolytically chrome-plated steel, non-alloy steel (except with a width of less than 600 mm and a thickness of less than 0.5 mm simply superficially treated)	2410511108	tonnes
Hot-dipped coated sheet and strip products of a width \geq 600 mm of non-alloy steel	2410513007	tonnes
Organic coated sheet and strip products, of a width \geq 600 mm of non-alloy steel	2410514005	tonnes
Coated sheets and strip: Electrolytically galvanised, of alloy steel (other than stainless), width \geq 600 mm hot or cold rolled (except silicon magnetic steel products)	2410521000	tonnes
Sheets and strips of grain-oriented silicon-electrical steel with a width of \geq 600 mm	2410531009	tonnes
Wire rod, of non-alloy steel, with ribs or other deformations produced in rolling	2410611004	tonnes
Wire rod, of non-alloy steel, easy to machine	2410612002	tonnes
Wire rod, non-alloy steel, of the kind used for concrete reinforcement with cold-rolled profiled ribs	2410613000	tonnes
Wire rod, of non-alloy steel, of the kind used for the reinforcement of tyres	2410614008	tonnes
Wire rod, of non-alloy steel (except wire rod with ribs, easily machinable, of the kind used for concrete reinforcement and the kind used for tyre cord reinforcement)	2410619007	tonnes
Hot-rolled non-alloy steel bars: Concrete reinforcing bars and rods	2410621003	tonnes
Hot-rolled non-alloy steel bars: Made of free-machining steel	2410623009	tonnes
Forged bars and other bars of non-alloy steel, hot-rolled, excluding hollow drilling bars (except those of easily machined steel)	2410625004	tonnes
Hot-rolled coiled wire rod, stainless steel	2410630004	tonnes
Hot-rolled stainless steel round bars	2410641001	tonnes

NAME	PRODCOM	UNIT
Stainless steel hot-rolled, hot-drawn or extruded bars and rods, not further prepared (except of circular cross-section)	2410643007	tonnes
Stainless steel bars and rods, cold-formed or cold-finished and further processed, or hot-formed and further processed (except forged)	2410647008	tonnes
High speed alloy steel wire rod (except stainless)	2410651000	tonnes
Silicon-manganese alloy steel wire rod (except stainless)	2410653006	tonnes
Alloy (except stainless, silicon-manganese and high-speed) hot-rolled bars and rods, hot-rolled for rolling bearings	2410655001	tonnes
Alloy steel hot-rolled wire rod (except bearing steel, high-speed steel, stainless steel and silicon-manganese steel)	2410657007	tonnes
Hot-rolled high-speed steel bars	2410661009	tonnes
Hot-rolled silicon-manganese alloy steel bars and rods	2410662007	tonnes
Hot-rolled alloy steel bars (except stainless, high-speed and silicon-manganese) for rolling bearings	2410663005	tonnes
Hot-rolled alloy steel bars (except stainless, high-speed and silicon-manganese) for tools	2410664003	tonnes
Alloy bars and rods (except stainless, tool, silicon-manganese, for bearings and high-speed) hot-rolled (except hollow drill bars and rods)	2410665000	tonnes
Bars and rods, cold-rolled or cold-finished (for example, by cold-drawing), of alloy steel (except stainless steel), painted, coated, covered, plated or worked	2410666008	tonnes
Hollow steel drill bars and rods	2410670000	tonnes
U-sections of a height ≥ 80 mm, of hot-rolled non-alloy steel	2410711000	tonnes
I-sections of a height ≥ 80 mm, of hot-rolled non-alloy steel	2410712008	tonnes
H-sections of a height ≥ 80 mm, of hot-rolled non-alloy steel	2410713006	tonnes
Hot-rolled, hot-rolled, hot-drawn or hot-extruded sections of non-alloy steel (except U-sections, I-sections or H-sections with a height ≥ 80 mm)	2410714004	tonnes
Steel sheet piling	2410741007	tonnes
Cold-welded steel sections	2410742005	tonnes
Railway or tramway track steel	2410750008	tonnes
Non-alloy steel bars and rods, easily machined, cold-rolled or cold-finished (e.g., by cold-drawing)	2431101009	tonnes
Bars and rods of iron or non-alloy steel, cold-rolled or cold-finished (for example, by cold-drawing), C < 0.25 % by weight, square section or other, except rectangular cross-section (except bars and rods of free-machining steel)	2431102007	tonnes
Bars and rods of iron or non-alloy steel, cold-rolled or cold-finished (for example, by cold-drawing), C < 0.25 % by weight, rectangular section or other, except square cross-section (except bars and rods of free-machining steel)	2431103005	tonnes
Bars and rods of iron or non-alloy steel, cold-rolled or cold-finished and cold-worked, or hot-formed and hot-worked (except hot-rolled, hot-drawn or hot-extruded, not further worked than clad, and forged products)	2431104003	tonnes
Bars and rods of iron or non-alloy steel, cold-formed or cold-finished (e.g., by cold-drawing), C ≥ 0.25 % by weight (except bars and rods of free-machining steel)	2431105000	tonnes

NAME	PRODCOM	UNIT
Sections of iron or non-alloy steel, cold-formed or cold-finished (e.g., by cold-drawing) (except profiled sheet)	2431106008	tonnes
Bars and rods of high-speed steel, cold-formed and cold-finished without further preparation, whether or not worked, or hot-formed and worked (except forged, semi-finished or flat-rolled products and wire rod); bars and rods of silico-manganese steel, cold-formed or cold-finished without further preparation, or hot-rolled, whether or not worked (except hot-rolled, hot-drawn, extruded, coated or semi-finished products, flat-rolled or flat-rolled products and wire rod)	2431201004	tonnes
Bars and rods, containing 0.9 % to 1.15 % carbon, 0.5 % to 2 % chromium and possibly ≤ 0.5 % molybdenum, cold-formed or cold-finished (for example, by cold-drawing) (except semi-finished or flat-rolled products and wire rod)	2431202002	tonnes
Tool steel bars and rods, cold-formed or cold-finished (for example, by cold-drawing) (except semi-finished or flat-rolled products and wire rod)	2431203000	tonnes
Alloy steel bars and rods, cold-formed or cold-finished (for example, by cold-drawing) (except stainless steel, high-speed steel, silico-manganese steel, alloy bearing steel and alloy tool steel)	2431204008	tonnes
Cold-finished or cold-formed (for example, by cold-drawing), of alloy steel, except stainless steel	2431205005	tonnes
Cold-drawn solid stainless steel bars and sections	2431300002	tonnes
Silver (including silver plated with gold or platinum), unwrought or in powder form	2441103004	kg
Silver (including silver plated with gold or platinum), semi-manufactured	2441105009	kg
Gold (including gold plated with platinum), in powder form, for monetary use	2441203505	kg
Gold (including gold plated with platinum), unwrought (except in powder form), for non-monetary use	2441204007	kg
Gold (including gold plated with platinum), semi-manufactured, for non-monetary use	2441205004	kg
Gold for monetary use	2441207000	kg
Platinum, unwrought or in powder form	2441301009	kg
Palladium, unwrought or in powder form	2441301505	kg
Unwrought or powdered rhodium	2441302007	kg
Unwrought or powdered iridium, osmium and ruthenium	2441302503	kg
Platinum in bars, wire and solid cross-section profiles; plates, sheets and strips with a thickness exceeding 0.15 mm, without their backing	2441304003	kg
Semi-manufactured platinum (except in bars, wire and solid cross-section profiles; plates, sheets and strips with a thickness exceeding 0.15 mm, without their backing)	2441304509	kg
Palladium in semi-processed forms	2441305506	kg
Rhodium in semi-processed forms	2441306008	kg
Iridium, osmium and ruthenium, in semi processed forms	2441306504	kg
Base metals or silver, clad with gold, unwrought or semi-manufactured	2441400006	kg
Base metals clad with silver, unwrought or semi-manufactured	2441503003	kg
Base metals, silver or gold plated with platinum, unwrought or semi-manufactured	2441505008	kg

NAME	PRODCOM	UNIT
Unwrought non-alloy aluminium (except in powder or particle form)	2442113001	tonnes
Unwrought aluminium, alloyed (except in powder or particles)	2442115409	tonnes
Aluminium oxide (except artificial corundum)	2442120006	tonnes
Aluminium powders and particles (except powders or particles prepared for use as dyes, paints and similar uses)	2442210002	tonnes
Non-alloy aluminium bars, rods and sections (except those prepared for structural purposes)	2442223005	tonnes
Aluminium alloy bars, rods, profiles and hollow sections (except those prepared for structural purposes)	2442225000	tonnes
Non-alloy aluminium wire (except insulated electric wire and cable, twine and cordage reinforced with aluminium wire, stranded wire and cables)	2442233004	tonnes
Aluminium alloy wire (except insulated electric wire and cable, twine and cordage reinforced with aluminium wire, stranded wire and cables)	2442235009	tonnes
Aluminium sheets and strip, thickness > 0.2 mm, non-alloy	2442243003	tonnes
Aluminium sheets and strip, thickness > 0.2 mm, alloy	2442245008	tonnes
Aluminium foil (whether or not printed or backed with paper, paperboard, plastics or similar materials) of a thickness <= 0.2 mm, without the backing materials	2442250008	tonnes
Non-alloy aluminium tubes (except hollow profiles, tube or pipe fittings, hose or pipe cullet, hose or pipe assemblies, prepared for use in structures, machinery or vehicle parts or similar purposes)	2442263001	tonnes
Alloy aluminium tubes (except hollow profiles, tube or pipe fittings, hose or pipe cullet, hose or pipe assemblies, prepared for use in structures, machinery or vehicle parts or similar purposes)	2442265006	tonnes
Aluminium tube or pipe fittings (including couplings, elbows or sleeves) (except tube or pipe fittings with caps, plugs and valves, pipe supports, bolts, nuts and clamps)	2442267002	tonnes
Refined unwrought lead (except in powder or flake form)	2443113009	tonnes
Unwrought lead with antimony (except in powder or flake form)	2443115004	tonnes
Unwrought lead (except in powder or flake form, with antimony or refined)	2443119006	tonnes
Unwrought non-alloy zinc (except in powder or flake form)	2443123008	tonnes
Unwrought alloy zinc (except in powder or flake form)	2443125003	tonnes
Unwrought non-alloy tin (except in powder or flakes form)	2443133007	tonnes
Alloy unwrought tin (except in powder or flake form)	2443135002	tonnes
Lead plates, sheets, strip and foil; lead powders and flakes (except powders or flakes prepared for use as dyes, paints and similar purposes and insulated electric strips)	2443210000	tonnes
Zinc powders and flakes (except powders and flakes prepared for use as dyes, paints and similar purposes and pellets)	2443220009	tonnes
Zinc bars, rods, profiles, wire, plates, sheets and strips	2443230008	tonnes
Tin bars, rods, profiles and wires	2443240007	tonnes
Copper mattes, cement copper (precipitated copper) (except copper powder)	2444110003	tonnes

NAME	PRODCOM	UNIT
Unrefined copper, copper anodes for electrolytic refining (including blister copper) (except anodes for electrolytic copper plating and electrolytic electroplating)	2444120002	tonnes
Unwrought non-alloy refined copper (except sintered rolled, extruded or wrought products)	2444133005	tonnes
Unwrought copper alloys (except sintered rolled, extruded or wrought products); standard copper alloys (including those which do not lend themselves to deformation) (except copper phosphide (cuprophosphorus) with > 15 % by weight of phosphorus)	2444137006	tonnes
Copper powders and particles, except cement copper, powders and particles used in the preparation of paints, e.g. bronzing or gold-coloured paints (chemical compounds), and refined copper shot	2444210008	tonnes
Copper and copper alloy bars, rods, profiles and hollow profiles (except bars and rods obtained by casting or sintering and rolled copper wire)	2444220007	tonnes
Refined copper wire (cross-section > 6 mm) and copper alloy wire	2444233000	tonnes
Refined copper wire (cross-section between 0.5 mm and 6 mm) (except twine or rope with wire reinforcement, stranded wire and cables)	2444235005	tonnes
Refined copper wire (cross-section <= 0.5 mm) (except twine or rope with wire reinforcement, stranded wire and cables)	2444237001	tonnes
Copper plates, sheets and strip, of a thickness of > 0.15 mm (except unfolded copper and insulated electrical strips)	2444240005	tonnes
Copper foil and thin strips (except backing) of a thickness of <= 0.15 mm	2444250004	tonnes
Copper tubes and pipes	2444263007	tonnes
Copper and copper alloy tube or pipe fittings, including couplings, elbows or sleeves, T-shaped parts and joints, except bolts and nuts for joining or fixing tubes, pipes and fittings with caps, plugs or valves	2444265002	tonnes
Unwrought unalloyed nickel	2445111008	kg
Unwrought alloyed nickel	2445112006	kg
Nickel mattes	2445121007	kg
Nickel oxide sinters and other intermediate products of nickel metallurgy	2445122005	kg
Nickel powders and flakes (except nickel oxide sinters)	2445210005	kg
Nickel and nickel alloy bars, rods, profiles and wire (except bars or profiles prepared for use in structures, insulated electric bars and wires and enamelled wires)	2445220004	kg
Nickel plates, sheets, strip (except expanded metal)	2445230003	kg
Nickel tubes, pipes and tube or pipe fittings and their accessories (couplings, elbows or sleeves)	2445240002	kg
Tungsten, unwrought, including bars and rods obtained simply by sintering; tungsten powder	2445301403	kg
Wolfram (tungsten) and articles thereof; bars and rods (except those obtained simply by sintering), shapes, wire, plates, sheets, strip and foil	2445301506	kg
Molybdenum and articles of molybdenum (except waste and scrap)	2445301705	kg
Tantalum, unwrought, including bars and rods obtained simply by sintering; tantalum powder	2445302008	kg

NAME	PRODCOM	UNIT
Tantalum and articles thereof: Bars and rods (except those obtained simply by sintering), shapes, wire, plates, sheets, strips and foils	2445302105	kg
Tantalum articles, including crucibles (except bars and rods, profiles, wire, plates, sheets, strip and foil) (except scrap and scrap)	2445302200	kg
Unwrought magnesium with a magnesium content $\geq 99.8\%$ by weight	2445302401	kg
Unwrought magnesium with a magnesium content $< 99.8\%$ by weight	2445302607	kg
Magnesium shavings, swarfs and graded granules; magnesium powder and other magnesium articles (except waste and scraps)	2445302809	kg
Cobalt mattes and other intermediate products of cobalt metallurgy (other than waste and scraps); unwrought cobalt, powders	2445303502	kg
Cobalt and articles thereof (except cobalt mattes and other intermediate products of cobalt metallurgy; unwrought cobalt, powders) (except waste and scraps)	2445303605	kg
Raw cadmium; cadmium powders (except waste and scrap)	2445303409	kg
Cadmium and its articles (except waste and scrap, cadmium powders and unwrought cadmium)	2445303701	kg
Bismuth and articles thereof with a bismuth content exceeding 99.99% by weight (except waste and scraps)	2445303807	kg
Bismuth and articles thereof with a bismuth content $\leq 99.99\%$ by weight (except waste and scraps)	2445303900	kg
Raw Titanium; titanium powders	2445304101	kg
Titanium and articles of titanium: bars and rods, profiles, wire, plates, sheets, strip and sheets, tubes and pipes, other (except waste and scrap)	2445304206	kg
Unwrought antimony; powders (other than waste and scraps)	2445304500	kg
Antimony and articles thereof (except unwrought ones, powders, residues and waste)	2445304603	kg
Raw zirconium; zirconium powders (except waste and scraps)	2445304908	kg
Zirconium and articles thereof (except waste and scrap, zirconium dust and unwrought zirconium)	2445305001	kg
Germanium and articles thereof (except residues and scrap, germanium powders and unwrought germanium)	2445305802	kg
Crude Niobium; niobium powders (except residues and scrap)	2445305905	kg
Unwrought beryllium; powders	2445306009	kg
Beryllium articles (except waste and scraps)	2445306106	kg
Niobium (Colombia) and articles thereof (except residues and scrap, niobium powders and crude niobium)	2445306704	kg
Raw Hafnium; hafnium powders (except waste and scraps)	2445306800	kg
Hafnium articles and articles thereof (except waste and scrap, hafnium powders and raw hafnium)	2445306903	kg
Unwrought indium; powders	2445307007	kg
Articles of indium and articles thereof (except residues and waste, indium powders and raw indium)	2445307209	kg

NAME	PRODCOM	UNIT
Articles of gallium and articles thereof (except waste and scrap, unwrought gallium and gallium powders)	2445307400	kg
Articles of vanadium and articles thereof (except waste and scrap, vanadium powders and unwrought vanadium)	2445307503	kg
Unwrought gallium; powders	2445307305	kg
Unwrought vanadium; powders (except ashes and residues containing vanadium))	2445307606	kg
Unwrought germanium; powders	2445307901	kg
Raw chrome; chrome powders	2445309301	kg
Chrome articles and articles thereof (except raw chrome and chrome powders)	2445309406	kg
Crude thallium; thallium powders	2445309509	kg
Thallium articles and articles thereof (except raw thallium and thallium powders)	2445309602	kg
Unwrought manganese; powders	2445308501	kg
Manganese waste and scraps (except ashes and residues containing manganese)	2445308604	kg
Manganese articles (other than waste and scraps)	2445308700	kg
Raw cermet	2445309100	kg
Cermet articles and articles thereof (except raw cermet)	2445309205	kg
Crude rhenium; rhenium powders (except waste and scraps)	2445309708	kg
Articles of rhenium and articles thereof (except waste and scrap, crude rhenium and rhenium powders)	2445309804	kg
Tubes, pipes and hollow profiles of cast iron, other than those formed as identifiable parts of articles, e.g. central heating radiator elements and machine parts	2451200004	tonnes
Cast steel pipe fittings of non-malleable cast iron	2451303004	tonnes
Cast iron pipe fittings (except non-malleable cast iron)	2451305106	tonnes
Cast steel pipe fittings	2452301006	tonnes
Tin articles: Plates, sheets and strips, of a thickness exceeding 0.2 mm, etc. (except bars, rods, profiles and wire)	2599296004	kg
Zinc articles (except bars, rods, profiles and wire and sheets, strips and foil)	2599297204	kg
Lead articles: Lead shielded radiation shielding packaging for transporting or storing radioactive lead materials, etc. (except sheets, strips and foils)	2599297405	kg

Annex 2. Products for which the in-house production includes all the in-house production sold and the quantity reused in the production process

NAME	PRODCOM	UNIT
Ordinary thermal electricity, produced from fossil fuels, biomass or waste: CHP plants	3511102091	thousand kWh
Ordinary thermal electricity, produced from fossil fuels, biomass or waste: except CHP plants	3511103099	thousand kWh
Nuclear electricity (produced by nuclear power plants)	3511105094	thousand kWh
Hydroelectricity (produced by hydroelectric power plants)	3511107292	thousand kWh
Wind electricity (produced by wind turbines)	3511107398	thousand kWh
Solar electricity (produced by means of photovoltaic cells)	3511107596	thousand kWh
Geothermal electricity (produced by geothermal power plants)	3511107795	thousand kWh
Other types of electricity (energy cells, etc.)	3511107994	thousand kWh
Coke oven gas (gas recovered as by-product from coke ovens)	3521100392	terajoule
Blast furnace gas (gas recovered as a by-product of blast furnaces)	3521100590	terajoule
Gas from gas-generation plants (gases obtained by carbonisation, cracking, conversion, gasification or by simple mixing of gas and/or air in gas plants)	3521100799	terajoule
Oxygen converter gas (gas recovered as a by-product of steel production in oxygen converters)	3521100895	terajoule
Heat from heat plants, produced from fossil fuels, biomass or waste, except from CHP plants	3530110392	terajoule
Geothermal heat (produced from geothermal fields)	3530110590	terajoule
Heat from heat plants, produced from fossil fuels, biomass or waste, from CHP plants	3530110799	terajoule
Other types of heat (waste heat recovery, heat from chemical processes, etc.)	3530110998	terajoule