

Information Paper Series

Rebasing of Singapore Manufactured Products and Domestic Supply Price Indices (Base Year 2023=100)



on price statistics

REBASING OF SINGAPORE MANUFACTURED PRODUCTS AND DOMESTIC SUPPLY PRICE INDICES (Base Year 2023=100)

Singapore Department of Statistics
February 2024

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Please direct enquiries on this information paper to:

Producer Price Indices Section Singapore Department of Statistics

Tel: 63327161

Email: info@singstat.gov.sg

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REBASING OF SINGAPORE MANUFACTURED PRODUCTS AND DOMESTIC SUPPLY PRICE INDICES (Base Year 2023 = 100)

I INTRODUCTION

The Department of Statistics (DOS) has rebased the Singapore Manufactured Products Price Index (SMPPI) and Domestic Supply Price Index (DSPI) from the base year of 2018 to 2023. The rebasing exercise is conducted periodically to ensure that the baskets of commodities remain representative amidst changing production and domestic supply patterns.

The SMPPI measures the changes in the prices of goods produced by manufacturers in Singapore for sale in the domestic and international markets. The SMPPI is used as a price deflator of manufacturing output in the compilation of the monthly Index of Industrial Production. The DSPI monitors the price changes of locally manufactured goods and imports which are retained for use in the domestic economy. It gives an indication of the price trends of goods used in the domestic economy.

This information paper provides details on the rebasing of the SMPPI and DSPI to reference year 2023. In addition, this paper compares the weighting patterns and trends of the 2023-based price indices with those of the 2018-based series.

II METHODOLOGY

Index Structure and Classification

The index structure of the SMPPI and DSPI is in accordance with the Standard International Trade Classification, Revision 4.1 (SITC Rev 4.1) ¹. Figure 1 illustrates the structure of the SMPPI. The lowest level comprises the brand prices of the manufactured products. The indices at the 7-digit commodity item level and the attached weights form the elementary aggregates, from which the indices at the 3-digit group level, 2-digit division level, 1-digit section level and lastly the overall SMPPI are built up.

The DSPI is a composite index of the Import Price Index (IPI) and SMPPI. The index structure of the DSPI is similar to the SMPPI, except that the most disaggregated level for the DSPI is at the commodity item level.

¹ The Standard International Trade Classification is a product classification of the United Nations used for the <u>publication</u> of external trade statistics (export and import values and volumes of goods), allowing for international comparisons of commodities and manufactured goods. Information on the SITC v4.1 can be found at: <u>www.stats.un.org/unsd/trade/sitcrev4.htm.</u>

Weights Determination

The weights for the SMPPI at the 1-digit, 2-digit, 3-digit and 7-digit SITC levels, are derived from the 2022 Census of Manufacturing Activities (CMA)². At the brand level, equal weights are assigned to the individual brands within the elementary aggregates (sub-indices at the 7-digit commodity item level).

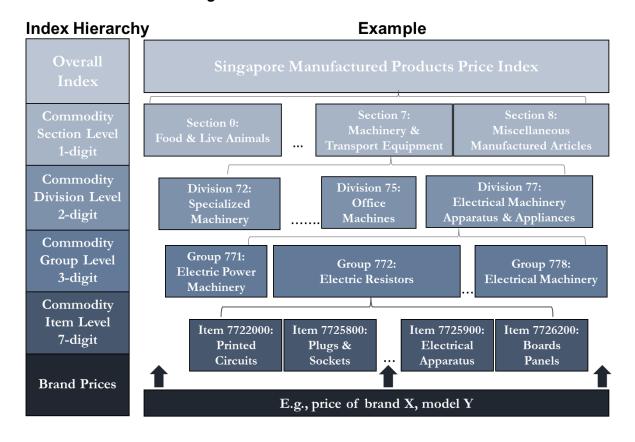


Figure 1: Index Structure of SMPPI

For the DSPI, the weights are based on the domestic supply of goods from external source, which is the retained imports, as well as from local source like the domestic production sales. Retained imports refers to the values of merchandise imports less re-exports in 2022 while domestic production sales is the total sales of local producers less the portion of export in 2022. The DSPI is derived from the price relatives of IPI and SMPPI at commodity item level together with their attached weights from retained imports and domestic production sales.

The SMPPI and DSPI baskets contain selected commodity items which are representative of the production and domestic supply patterns of Singapore. The weights of the non-selected commodity items are distributed across the appropriate commodity items that share similar product characteristics based on the assumption that price trends of similar items move in tandem.

2

² Source: Economic Development Board Singapore.

Index Computation

The 2023-based series is compiled using the modified Laspeyres formula where the weight reference period of 2022 preceded the price reference period of 2023. For the SMPPI, the elementary aggregates are the geometric means of the price relatives of the commodity brands at the 7-digit commodity item level. Price indices at higher levels of aggregation for both the SMPPI and DSPI are then progressively built up from the arithmetic means of the weighted sub-indices at the 3-digit group level, 2-digit division level, and 1-digit section level to the overall index. Details on the index computation of the SMPPI and DSPI are shown in Appendix I.

Linking of Historical Series Across Different Base Years

The price indices prior to 2023 are linked to the new series by re-scaling them to the new base year 2023 level. The linking is obtained through the following mathematical procedure:

Linked (2023-based) Index = 2018-Based Index × Linked Coefficient

where the Linked Coefficient is the ratio of the annual 2023-based index in 2023 to the annual 2018-based index in 2023.

Example:

Annual 2023-based Index in 2023 = 100 Annual 2018-based Index in 2023 = 108

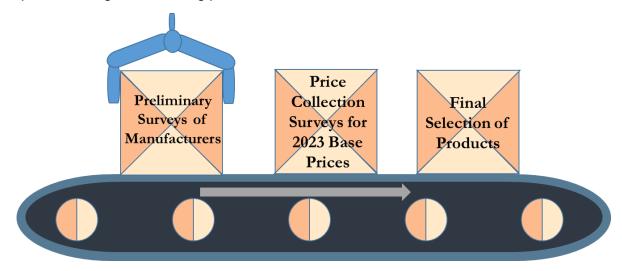
Linked Coefficient = 100/108 = 0.926

Thus, if a 2018-based Index in January 2022 = 111

Then the 2023-based Index in January 2022 = $111 \times 0.926 = 102.9$

III ITEMS AND PRODUCTS SELECTION

During the rebasing exercise, the products included in the SMPPI basket were reviewed and updated through the following processes:



Preliminary Survey of Manufacturers

The preliminary survey of manufacturers was initiated to collect characteristics of the commodity items sold by manufacturers, such as detailed information on the list of products, models or brands. The survey returns were used to shortlist the manufacturers and the commodity brands for subsequent price collections.

(i) Sampling Method

The initial sampling frame for the preliminary survey of manufacturers was the list of local producers from the 2020 CMA. The sampling frames were updated and supplemented by the 2021 CMA databases when they became available.

Purposive sampling was adopted in the 2023 rebasing exercise. This method ensured that commodity items that were significant were selected for the baskets of the rebased SMPPI thereby reduced the overall sample sizes of manufacturers without compromising the quality of the compiled price indices.

The SITC 7-digit commodity items were chosen based on the production shares within the various categories of products. The purposive sampling method involved progressive selections of SITC codes from the highest to the lowest levels of the SITC. The first step was to compile the weights at the 1-digit and 7-digit SITC levels. Within each commodity section starting from the 1-digit SITC, the corresponding 7-digit SITCs with relatively significant weights were selected from the sample. This approach ensured that only commodity items with significant contributions to the higher level SITCs were selected. After selection, the weights at the 2-digit and 3-digit SITC levels were aggregated from the selected 7-digit SITC codes.

The major manufacturers for each of the commodity items selected were then identified to take part in the preliminary survey to collect detailed product, model or brand specifications for subsequent product selections and price collections. Approximately 1,200 manufacturers were selected to participate in the preliminary survey.

(ii) Information Collected through the Preliminary Survey

The respondents were requested to provide detailed specifications/ descriptions of their key products for each commodity item stated in their customised survey forms. Information such as the brand, grade, size-measurement, type of packaging & other distinguishing features, frequency of production and unit of measurement were collected. Prices of manufactured products were quoted in ex-factory³ terms.

(iii) Selection of Manufacturers, Commodity Items and Products

The survey returns were reviewed, and where necessary, verified with the respondents to ensure that the products provided were within the scope of the selected commodity items. The selection of respondents and products for price collection was based on the following criteria:

- a) Production of the commodity items should be regular and frequent;
- b) Item descriptions should be specific and sufficiently detailed for price collection; and
- c) Selected products should constitute a significant share of the companies' production.

Price Collection Surveys

After the completion of preliminary survey, price surveys were then conducted at regular intervals to collect prices for the selected products from the manufacturers for the compilation of the base year price indices.

Selected manufacturers received customised survey forms with pre-printed descriptions of the selected commodity products, models or brands, as well as the previously provided prices of these items. These respondents then provided the latest prices for the products on the 15th of each month, or the nearest date.

Prices obtained were checked to ensure their reasonableness, consistency and accuracy. At compilation, all prices quoted in foreign currencies were converted to Singapore dollar using the prevailing average monthly exchange rates published by the Monetary Authority of Singapore. The prices of the selected products were monitored over a 12-month period. Products which could not be priced regularly or had volatile price trends were either removed or replaced.

 $^{^3}$ An ex-factory price is where the seller makes goods available to the buyer at the seller's factory, and the buyer is responsible for paying for them to be transported to where they are needed.

Final Selection of Products and Coverage for the 2023-based SMPPI and DSPI

The number of prices collected for the compilation of the 2023-based SMPPI is shown in Figure 2. A total of 329 manufacturers were surveyed every month, from which 851 prices were collected for the compilation of 158 commodity items in the SMPPI.

Figure 2: Monthly Price Survey Coverage



The DSPI, a composite price index of SMPPI and IPI, is compiled from 119 commodity items from the SMPPI and 545 commodity items from the IPI. More information on the number of commodity divisions, groups and items for SMPPI and DSPI, is provided in Appendix II. The weights for the 2023 indices at the commodity section and group levels for the SMPPI and DSPI are presented in Appendices IIIA and IIIB respectively.

IV COMPARISON OF WEIGHTING PATTERNS AND PRICE TRENDS

Singapore Manufactured Products Price Index

Figure 3 illustrates the weights distribution of the 2023-based SMPPI. The Machinery & Transport Equipment and Chemicals & Chemical Products sections constituted a total of 70.6 per cent of the weights distribution.

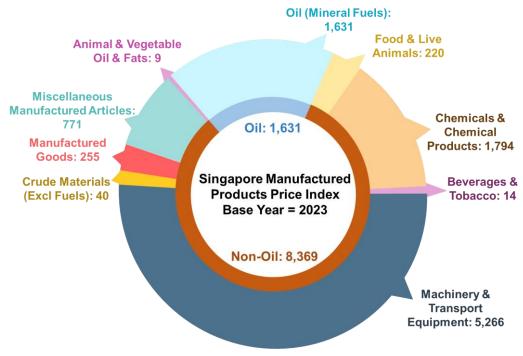


Figure 3: Weights of the 2023-based SMPPI

Table 1 lists and compares the rank order and differences in the 2023 and 2018-based SMPPI weights. The rank order for the commodity sections with the highest weights share remained the same.

Table 1: Weights Comparison and Rank Order of 2023-Based and 2018-Based SMPPI

Commodity Section	2023	2018 Weights	Difference	2023	2018
	Weights	Weights		Rank	Rank
Machinery & Transport Equipment	5,266	4,897	+369	1	1
Chemicals & Chemical Products	1,794	2,165	-371	2	2
Oil (Mineral Fuels)	1,631	1,414	+217	3	3
Miscellaneous Manufactured Articles	771	883	-112	4	4
Manufactured Goods	255	284	-29	5	5
Food & Live Animals	220	256	-36	6	6
Crude Materials (Excl Fuels)	40	56	-16	7	7
Beverages & Tobacco	14	31	-17	8	8
Animal & Vegetable Oils, Fats & Waxes	9	14	-5	9	9

Figure 4 ranks the commodity sections based on the weights differences across the two base years. Having the highest weights share in the 2018-based index, the Machinery & Transport Equipment section increased 3.7 percentage points in the 2023-based series. This was due to higher contributions from telecommunications equipment.

The Oil (Mineral Fuels) section rose 2.2 percentage points, due to the rise in relative weights share of petroleum and petroleum-related products such as diesel fuel and kerosene.

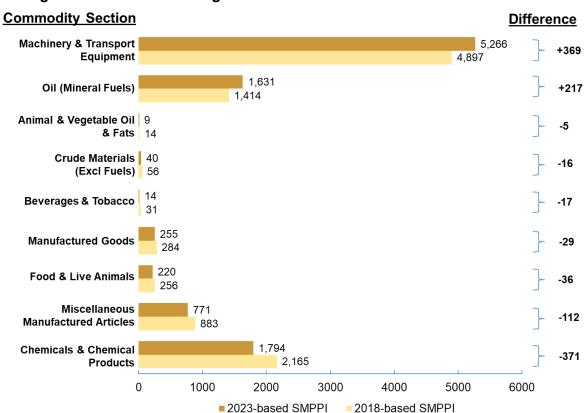
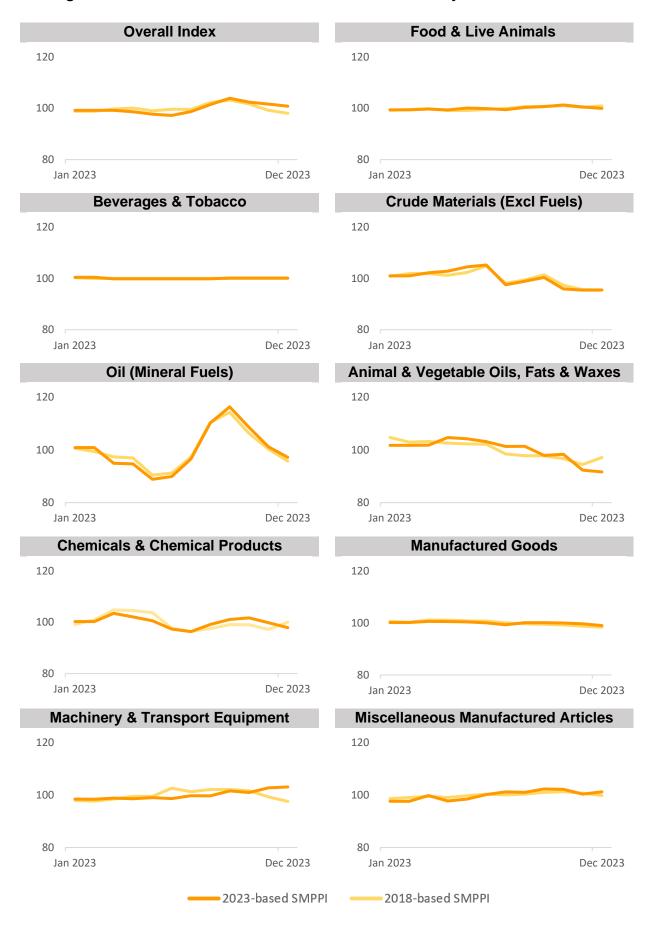


Figure 4: Difference in Weights between 2023-based and 2018-based SMPPI

Figure 5 compares the price trends of the 2023-based and 2018-based SMPPIs by commodity section from January to December of 2023, the overlapping period between the two series. The price trends of the overall index for both base years generally moved in tandem, with slight differences in magnitude. This can be attributed to the Machinery & Transport Equipment section, due to its relatively large weight.

The 2023-based and 2018-based Machinery & Transport Equipment sections generally trended in the same direction. Slight differences can be attributed to changes in the basket of products, with a larger coverage of products in this section, coupled with changes in the weights composition, with telecommunications equipment taking on relatively higher weights in the new basket.

Figure 5: 2023-based and 2018-based SMPPI from January to December 2023



Domestic Supply Price Index

The weights distribution of the 2023-based DSPI is shown in Figure 6. The Machinery & Transport Equipment and Oil (Mineral Fuels) sections comprised the bulk (a total of 72.0 per cent) of the weights distribution.

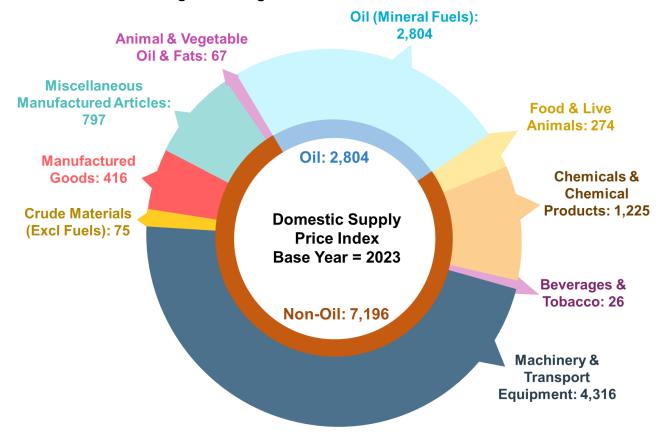


Figure 6: Weights of the 2023-based DSPI

Table 2 lists and compares the rank order and differences in the 2023-based and 2018-based DSPI weights. The rank order for the top 7 sections remained the same across the two base years.

Table 2: Weights Comparison and Rank Order of 2023-Based and 2018-Based DSPI

Commodity Section	2023	2018	Difference	2023	2018
Commounty Coonen	Weights	Weights	Dinoronoo	Rank	Rank
Machinery & Transport Equipment	4,316	4,302	+14	1	1
Oil (Mineral Fuels)	2,804	2,788	+16	2	2
Chemicals & Chemical Products	1,225	1,142	+83	3	3
Miscellaneous Manufactured Articles	797	802	-5	4	4
Manufactured Goods	416	490	-74	5	5
Food & Live Animals	274	319	-45	6	6
Crude Materials (Excl Fuels)	75	85	-10	7	7
Animal & Vegetable Oils, Fats & Waxes	67	43	+24	8	8
Beverages & Tobacco	26	30	-4	9	9

Figure 7 ranks the commodity sections based on the weights differences across the two base years. The weights of the 2023-based series were largely similar to those of the 2018-based series, with chemicals & chemical products registering the largest absolute increase and manufactured goods reflecting the largest decline.

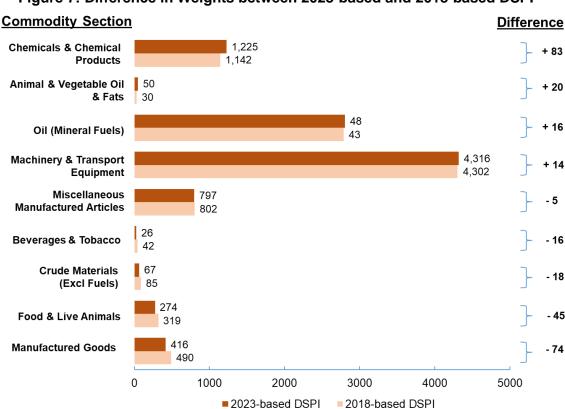
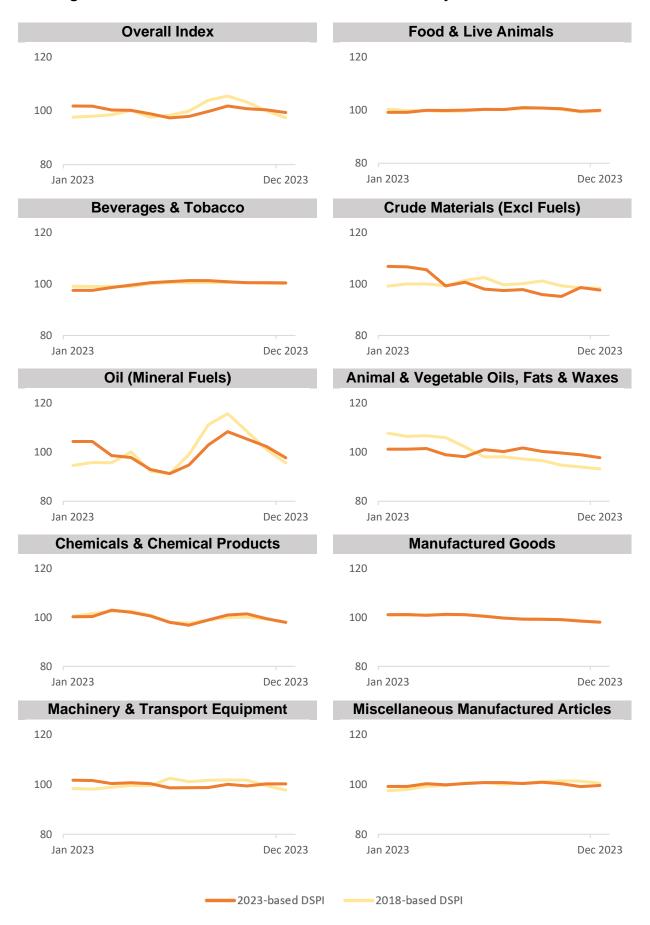


Figure 7: Difference in Weights between 2023-based and 2018-based DSPI

Figure 8 compares the price trends of the 2023-based and 2018-based DSPIs by commodity section from January to December of 2023, which is the overlapping period between the two series. The overall DSPI price trends of the two base years were similar, with slight differences in magnitude. This can be attributed to the Machinery & Transport Equipment and Oil (Mineral Fuels) sections, due to their relatively large weights. As domestic sales contributed the majority of its weights, the DSPI closely trended to the SMPPI.

Figure 8: 2023-based and 2018-based DSPI from January to December 2023



V DISSEMINATION OF DATA

A monthly report on the SMPPI and DSPI is released on the SingStat Website (www.singstat.gov.sg/publications/economy/producer-price-indices) on the last working day or before the 29th day after the reference month. Data on the indices are available on the SingStat Table Builder (www.singstat.gov.sg/tablebuilder).

SINGAPORE DEPARTMENT OF STATISTICS FEBRUARY 2024

APPENDIX

APPENDIX I:

Index Computation Method

Computation of SMPPI

- 1 The 2023-based SMPPI is compiled using the modified Laspeyres formula where the weight reference period of 2022 precedes the price reference period of 2023.
- The price indices are built up progressively from the commodity brand to the item, group, division, section and overall levels. The price relative at the commodity brand level provides the basic level for the compilation of higher level (or more aggregated) indices.
- The geometric means of these basic price relatives are obtained to form indices at the commodity item level. The weighted average of the price indices at the commodity item level is then used to form price indices at the group level. The process is repeated to obtain higher level indices including the division, section and overall price indices. The Laspeyres formula used for index computation is presented below:

Price Index at Commodity Brand Level: $I_{it} = P_{it}/P_{i0} \times 100$

Where, I_{it} = price relative of i-th commodity brand in period t relative to base period P_{it} = price of i-th commodity brand in period t P_{i0} = price of i-th commodity brand in the base period

Price Index at Commodity Item Level: $I_{it} = \prod (I_{it})^{1/N}$

Where, I_{jt} = the price relative of the j-th commodity item in period t N = the number of commodity brands within the j-th commodity item

Price Index at Commodity Group Level: $I_{kt} = \sum W_j \times I_{jt}$

Where, I_{kt} = the price relative of the k-th commodity group in period t W_j = the relative weight of the j-th commodity item $\sum W_i = 1$

Price Index at Commodity Division Level: $I_{mt} = \sum W_k \times I_{kt}$

Where, I_{mt} = price relative of the m-th commodity division in period t W_k = the relative weight of the k-th commodity group $\sum W_k = 1$

Price Index at Commodity Section Level: $I_{rt} = \sum W_m \times I_{mt}$

Where, I_{rt} = price relative of the r-th commodity section in period t W_m = the relative weight of the m-th commodity division $\sum W_m = 1$

Price Index at Overall Level: $I_t = \sum W_r \times I_{rt}$

Where, $I_t = \text{price index in period t}$ $W_r = \text{the relative weight of the r-th commodity section}$ $\sum W_r = 1$

Computation of DSPI

In computing the DSPI, it is necessary to compute its price relative at the commodity item (7-digit SITC) level. The price relative for a commodity item, D_{it}, in the DSPI is computed as follows:

$$D_{it} = k_i S_{it} + (1 - k_i) M_{it}$$

where

k_i is the proportion of supply of the i-th item from local source;

 S_{it} is the price relative of the i-th item from the SMPPI (local component) for period t; and

M_{it} is the price relative of the i-th item from the IPI (imported component) for period t.

Once the commodity item price relative for the DSPI is computed, the various price indices at higher aggregated levels can be computed as in the SMPPI.

APPENDIX II:

Number of Indices at Commodity Division, Group and Item Level (2023=100)

Commodity Section	Commodity	Commodity	Commodity
•	Division	Group	Item
Singapore Manufactured Products Price Index	44	85	158
Oil ⁴	2	3	9
Non-oil	42	82	149
Food & Live Animals	8	11	20
Beverages & Tobacco	1	1	1
Crude Materials (excl fuels)	4	4	4
Animal & Vegetable Oils, Fats & Waxes	1	2	4
Chemicals & Chemical Products	8	19	35
Manufactured Goods	8	18	30
Machinery & Transport Equipment	7	17	35
Miscellaneous Manufactured Articles	5	10	20
Domestic Supply Price Index	57	174	59 ⁻
Oil ⁴	2	5	14
Non-oil	55	169	577
Food & Live Animals	10	30	104
Beverages & Tobacco	2	3	-
Crude Materials (excl fuels)	8	12	28
Animal & Vegetable Oils, Fats & Waxes	2	3	-
Chemicals & Chemical Products	8	27	119
Manufactured Goods	9	37	144
Machinery & Transport Equipment	8	34	98
Miscellaneous Manufactured Articles	8	23	73

⁴ Comprises Mineral Fuels Section

APPENDIX IIIA:

Singapore Manufactured Products Price Index Weights at Section and Group Levels (2023=100)

Section / Division / Group	weign
FOOD & LIVE ANIMALS	220
MEAT & MEAT PREPARATIONS	22
Meat & Edible Meat offal, Fresh, Chilled or Frozen	17
Pork	
Meat & Edible Meat offal, Prepared or Preserved Nes	5
Sausages	
Other Prepared or Preserved Meat	
DAIRY PRODUCTS & BIRDS' EGGS	11
Milk & Cream	11
Creamer	
FISH SEAFOOD & PREPARATIONS	8
Fish, Crustaceans & Molluscs	8
Fish Ball	
CEREALS & CEREAL PREPARATIONS	34
Cereal & Flour Preparations	34
Cakes	
Pastry	
VEGETABLES & FRUIT	2
Fruit, Preserved, & Fruit Preparations	2
Edible Nuts, Prepared or Preserved	
COFFEE TEA COCOA SPICES & MANUFACTURES	17
Coffee & Coffee Substitutes	1
Coffee, Roasted, Ground	
Chocolate & Other Food Preparations	15
Chocolate	
Spices	1
Spices	
ANIMAL FEEDING STUFF	g
Feeding Stuff For Animals	g
Feed Supplements For Animal Feeding	
MISCELLANEOUS FOOD PREPARATIONS	116
Edible Products & Preparations Nes	116
Mixed Condiments & Seasonings	
Condiments & Seasonings	
Non-Dairy Creamer	
Non-Alcoholic Preparations For Making Beverages	
Other Food Preparations	

CHEMICALS & CHEMICAL PRODUCTS	1,795
ORGANIC CHEMICALS	767
Hydrocarbons Nes & Their Halogenated, Sulphonated, Nitrated or Nitrosated Derivatives	450
Ethylene	
Propene (Propylene)	
Benzene	
Xylene	
Carboxylic Acids & Their Anhydrides, Halides, Peroxides & Peroxyacids	87
Esters of Acetic Acid	
Organo-Inorganic Compounds, Heterocyclic Compounds, Nucleic Acids & Their Salts	134
Methionine	
Lactams	
Other Heterocyclic Compounds	
Nucleic Acids & Their Salts & Heterocyclic Compounds	
Sulphonamides	
Other Organic Chemicals	96
Ether-Alcohols & Their Derivatives	
INORGANIC CHEMICALS	45
Inorganic Chemical Elements, Oxides & Halogen Salts	45
Hydrogen Gas	
Other Inorganic Oxygen Compounds of Non-Metals	
DYEING TANNING & COLOURING MATERIALS	15
Pigments, Paints, Varnishes & Related Materials	15
Other Paints In Aqueous Medium	
MEDICINAL & PHARMACEUTICAL PRODUCTS	253
Medicinal & Pharmaceutical Products	97
Intermixtures of Provitamins & Vitamins	
Penicillins & Their Derivatives	
Antisera & Other Blood Fractions	
Immunological Products	
Medicaments Incl Veterinary Medicaments	156
Animal Health Products	
Medicaments Packed For Retail	
ESSENTIAL OILS & RESINOIDS & PERFUME MATERIALS; TOILET POLISHING & CLEANSING PREPARATIONS	141
Essential Oils, Perfume & Flavour Materials	45
Odoriferous Preparations For Food or Drink Industries	
Fragrance Perfume Compound	
Perfumery, Cosmetic or Toilet Preparations	73
Make-Up Preparations	
Soap, Cleansing & Polishing Preparations	23
organic Surface-Active Agents	
PLASTICS IN PRIMARY FORMS	272
Polymers of Ethylene, In Primary Forms	128
Polyethylene With A Specific Gravity Under 0.94	

Section / Division / Group	Weight
Polyethylene With A Specific Gravity Over 0.94	40
Styrene Polymers	18
Other Polystyrene (Tne)	
Polyacetals, Other Polyethers & Epoxide Resins, In Primary Forms	24
Polyethers	
Epoxide Resins	
Other Plastics, In Primary Forms	103
Polypropylene	
PLASTICS IN NON-PRIMARY FORMS	18
Plates, Sheets, Film, Foil & Strip, of Plastics	18
Plates, Sheets, Film, Foil, Tape Strip & Other Flat Shapes Self-Adhesives of Plastics	
CHEMICAL MATERIALS & PRODUCTS	284
Starches, Inulin & Wheat Gluten; Albuminoidal Substances; Glues	4
Adhesives	
Prepared Additives & Lubricating Preparations	86
Additives For Lubricating Oils	
Miscellaneous Chemical Products Nes	193
Diagnostic or Laboratory Agents	
Other Chemical Products & Preparations	
MANUFACTURED GOODS	255
RUBBER MANUFACTURES	11
Articles of Rubber Nes	11
Articles of Unhardened Non-Cellular Vulcanized Rubber	
CORK & WOOD MANUFACTURES	7
Wood Manufactures Nes	7
Packing Cases Boxes Crates Drums & Similar Packings	
Pallets Box Pallets & Other Load Boards	
PAPER PAPERBOARD & ARTICLES	31
Paper & Paperboard	12
Paper & Paperboard Coated With Plastics	
Articles of Paper & Paperboard	20
Cartons Boxes of Corrugated Paper	
Folding Cartons Boxes	
TEXTILE YARN FABRICS MADE-UP ARTICLES	7
Textile Yarn	7
Synthetic Yarns	
NON-METALLIC MINERAL MANUFACTURES	45
Mineral Manufactures Nes	32
Building Blocks & Bricks Tiles Flagstones & Similar Articles	
Glass	13
Glass, Bent, Edge-Worked, Engraved, Drilled, Enamelled or Otherwise	13
IRON & STEEL	48
Iron & Steel Bars, Rods, Angles, Shapes & Sections Incl Sheet Piling	43
Bars & Rods of Stainless Steel	73

Section / Division / Group	Weight
	6
Tubes, Pipes & Hollow Profiles of Iron or Steel	6
Tubes, Pipes & Hollow Profiles of Iron or Steel	47
NON-FERROUS METALS	17
Copper	15
Copper Plates Sheets & Strip of A Thickness Over 0.15Mm of Copper Alloys	
Tube or Pipe Fittings	2
Aluminium	2
Aluminium Foil of A Thickness (Excl Any Backing) Under 0.2Mm	
MANUFACTURES OF METALS	88
Structures & Parts of Structures Nes, of Iron, Steel or Aluminium	36
Doors, Windows & Their Frames & Thresholds For Doors	
Other Structures of Iron or Steel	
Doors Windows & Their Frames & Thresholds For Doors	
Aluminium Structures & Parts of Structures	
Metal Containers For Storage or Transport	12
Tanks, Casks, Drums, Cans, Boxes of Iron or Steel	
Wire Products	6
Stranded Wire, Ropes, Cables, Plaited Bands, Skins & The Like of Iron or	
Steel, Not Electrically Insulated. Cloth Grill Netting & Fencing of Iron or Steel Wire	
Nails, Screws, Nuts, Bolts & Rivets	2
Bolts & Nuts	
Tools For Use In The Hand or In Machines	4
Drills Interchangeable For Hand or Machine Tools	
Interchangeable Tools For Hand Tools	
Household Equipment of Base Metal Nes	2
Household Articles & Parts Thereof of Iron or Steel	
Statuettes & Other ornaments of Base Metal; Photograph Picture or	
Similar Frames of Base Metal	
Manufactures of Base Metal Nes	26
Mountings & Fittings	
Springs & Leaves For Springs of Iron or Steel	
Sign-Plates, Name-Plates And Address-Plates & Similar Plates	
Articles of Iron or Steel	
MACHINERY & TRANSPORT EQUIPMENT	5,266
MACHINERY SPECIALIZED FOR PARTICULAR INDUSTRIES	661
Civil Engineering & Contractors' Equipment	52
Parts For Boring And Sinking Equipment	
Other Machinery & Equipment Specialized For Particular Industries	609
Machines & Apparatus For The Manufacture of Boules & Wafers	
Parts & Accessories For Machines & Apparatus For Manufacturing	
Semiconductors Electronic Integrated Circuits or Flat Panel Displays	
Machines & Mechanical Appliances Having Individual Functions	
Parts For The Machines	
METALWORKING MACHINERY	17
Machine Tools For Removing Metal or Other Material	17

MISCELLANEOUS MANUFACTURED ARTICLES	772
FURNITURE	16
Furniture & Parts	16
Furniture of Wood	
PROFESSIONAL SCIENTIFIC & CONTROLLING INSTRUMENTS & APPARATUS	455
Instruments & Appliances For Medical, Surgical, Dental or Veterinary Purposes	95
Instruments & Appliances Used In Medical, Surgical or Veterinary Sciences	
Measuring, Checking, Analysing & Controlling Instruments & Apparatus Nes	360
Parts & Accessories For The Articles of Heading 874.13	
Instruments & Apparatus For Measuring or Checking The Pressure of Liquids or Gases	
Chromatographs & Electrophoresis Instruments	
Instruments For Physical or Chemical Analysis	
Oscilloscopes & Oscillographs	
PHOTOGRAPHIC APPARATUS EQUIPMENT & SUPPLIES & OPTICAL GOODS	42
Optical Goods Nes	42
Contact Lenses	
Optical Fibres & Optical Fibre Bundles & Cables	
MISCELLANEOUS MANUFACTURED ARTICLES	259
Printed Matter	20
Other Newspapers Journals & Periodicals	
Paper or Paperboard Labels	
Other Printed Matter	
Articles of Plastics	27
Articles For The Conveyance or Packing of Goods	
Other Articles of Plastics	
Jewellery, Goldsmiths' & Silversmiths' Wares & Articles of Precious or Semiprecious Materials	35
Articles of Jewellery & Parts of Precious Metal	
Musical Instruments & Parts & Accessories	93
Unrecorded Magnetic Media	
Recorded Magnetic Media	
Smart Cards	
Miscellaneous Manufactured Articles Nes	84
Hearing-Aids	

APPENDIX IIIB:

Domestic Supply Price Index Weights at Section and Group Levels (2023=100)

Section / Division / Group	Weight
FOOD & LIVE ANIMALS	274
LIVE ANIMALS	6
Live Animals	6
Live Ducks	
Live Chickens	
Other Live Animals	
MEAT & MEAT PREPARATIONS	45
Meat of Bovine Animals, Fresh, Chilled or Frozen	6
Beef	
Meat & Edible Meat offal, Fresh, Chilled or Frozen	30
Sheep	
Pork	
Chicken, Wings	
Chicken, Thigh	
Chicken, Parts	
Meat & Edible Meat offal, Prepared or Preserved Nes	9
Sausages	
Prepared Chicken Products	
Other Poultry Meat Prepared or Preserved	
offal or Blood of Swine	
DAIRY PRODUCTS & BIRDS' EGGS	34
Milk & Cream	24
Full Cream Milk	
Milk & Cream	
Skimmed Milk Powder	
Full Cream Milk Powder	
Creamer	
Buttermilk & Curdled Milk	
Ice Cream	
Other Milk Products	
Butter	2
Butter	
Cheese & Curd	3
Grated or Powdered Cheese	
Processed Cheese Not Grated or Powdered	
Eggs	5
Chicken Eggs	
FISH SEAFOOD & PREPARATIONS	30
Fish, Fresh, Chilled or Frozen	10
Salmon	
Mackerel	

Other Fish	
Marine Fish	
Fish Fillets	
Crustaceans & Molluscs, Fresh, Chilled or Frozen	8
Shrimps & Prawns, Frozen	
Crabs	
Cuttlefish Octopus & Squid	
Fish, Crustaceans & Molluscs, Prepared or Preserved	11
Fish Ball	
Shrimps & Prawns	
Refrigerated Crabmeat	
Other Molluscs & Other Aquatic Invertebrates	
CEREALS & CEREAL PREPARATIONS	42
Wheat, Unmilled	2
Wheat & Meslin Unmilled	
Rice	4
Thai Hom Mali Rice Semi-Milled or Wholly Milled	
Other Rice Semi-Milled or Wholly Milled	
Wheat Flour	1
Wheat Flour	
Cereal & Flour Preparations	34
Cereals	
Malt	
Uncooked Pasta	
Biscuits	
Wafers	
Crisps	
Cakes	
Pastry	
VEGETABLES & FRUIT	37
Vegetables, Fresh, Chilled, Frozen or Preserved	14
Potatoes	
Beans	
Tomatoes	
Onions	
Lettuce	
Leguminous Vegetables	
Mushrooms	
Other Vegetables	
Vegetables, Roots & Tubers, Prepared or Preserved	5
Potatoes	
Other Vegetables	
Fruit & Nuts, Fresh or Dried	14
oranges	

Bananas	
Apples	
Grapes	
Coconuts	
Watermelons	
Berries	
Avocados, Guavas, Mangoes & Mangosteens	
Other Fruit Fresh	
Fruit, Preserved, & Fruit Preparations	4
Edible Nuts, Prepared or Preserved	
Fruits & Vegetable Juices	1
Other Juices	
SUGARS SUGAR PREPARATIONS & HONEY	7
Sugars, Molasses & Honey	6
Raw And Refined Sugars	
Lactose & Lactose Syrup	
Maltose	
Sugar	
Sugar Confectionery	1
Sugar Confectionery	
COFFEE TEA COCOA SPICES & MANUFACTURES	22
Coffee & Coffee Substitutes	6
Coffee, Not Roasted, Not Decaffeinated	
Coffee, Roasted, Ground	
Instant Coffee	
Cocoa	9
Cocoa Paste Not Defatted	
Chocolate & Other Food Preparations	2
Cocoa	
Chocolate & Food Preparations With Cocoa	
Spices	5
Cloves	
Spices	
ANIMAL FEEDING STUFF	7
Feeding Stuff For Animals	7
Dog And Cat Food	
Poultry Feeds	
Swine Feeds	
Feed Supplements For Animal Feeding	
MISCELLANEOUS FOOD PREPARATIONS	44
Margarine & Shortening	1
Imitation Lard	
Edible Products & Preparations Nes	42
Mixed Condiments & Seasonings	
Condiments & Seasonings	
Soups & Broths Preparations	

Instant Noodles

Bird's Nest

Non-Dairy Creamer

Protein Concentrates

Non-Alcoholic Preparations For Making Beverages

Other Food Preparations

BEVERAGES & TOBACCO	26
BEVERAGES	23
Non-Alcoholic Beverages Nes	7
Non-Carbonated Drinks	
Alcoholic Beverages	16
Sparkling Wine	
Grape Must	
Wine	
Beer & Ale	
Brandy	
TOBACCO & MANUFACTURES	3
Tobacco, Manufactured	3
Cigarettes Containing Tobacco	
CRUDE MATERIALS (EXCL FUELS)	75
HIDES SKINS & FURSKINS RAW	1
Hides & Skins Raw	1
Other Hides & Skins Raw	
OIL-SEEDS & OLEAGINOUS FRUITS	1
Oil-Seeds & Oleaginous Fruits	1
Ground-Nuts (Peanuts)	
Soya Beans	
CRUDE RUBBER	26
Natural Rubber, In Primary Forms	2
Standard Rubber	
Synthetic Rubber; Reclaimed Rubber; Waste, Parings & Scrap of Unhardened Rubber	24
Synthetic Rubber Carboxylated Styrene-Butadiene	
Butadiene & Synthetic Rubber	
Synthetic Rubber Halo-Isobutene-Isoprene	
Ethylene-Propylene-Non-Conjugated Diene Rubber	
Reclaimed Rubber In Primary Forms	
CORK & WOOD	3
Wood, Simply Worked, & Railway Sleepers of Wood	3
Other Hardwood Sawn Sliced or Peeled	
Non-Coniferous Continuously Shaped Wood	

Section / Division / Group	Weight
CRUDE FERTILIZERS & MINERALS	18
Stone, Sand & Gravel	15
Marble Travertine Ecaussine & Other Calcareous, Monumental or Building Stone	
Limestone For Lime or Cement (Tne)	
Sands	
Pebbles & Gravel, Broken or Crushed	
Other Crude Minerals	3
Bentonite	
Sodium Chloride, Pure & Common Salt	
Granulated Slag (Slag Sand) From The Manufacture of Iron or Steel	
METALLIFEROUS ORES & METAL SCRAP	21
Ferrous Waste & Scrap	2
Other Ferrous Waste & Scrap	
Non-Ferrous Base Metal Waste & Scrap Nes	5
Copper Waste & Scrap	
Precious Metals ores, Waste, Scrap	14
Waste & Scrap of Platinum	
Other Waste & Scrap of Precious Metal	
CRUDE ANIMAL & VEGETABLE MATERIALS	6
Crude Vegetable Materials Nes	6
Chinese Medicine (E.G. Ginseng, Chrysanthemum)	
Agarwood Chips	
Other Live Plants	
Other Flowers & Buds Fresh	
Vegetable Saps & Extracts	
MINERAL FUELS, LUBRICANTS & RELATED MATERIALS	2,804
PETROLEUM & PRODUCTS & RELATED MATERIALS	2,624
Petroleum Oils & Oils Obtained From Bituminous Minerals, Crude	779
Crude Petroleum Oils	
Petroleum Oils & Oils Obtained From Bituminous Minerals	1,841
Naphtha	
High Speed Diesel Fuel (Gas Oil)	
Diesel Fuel & Fuel Oils	
Lubricating Oils	
Aviation Turbine Fuel (Jet Kerosene)	
Power Kerosene	
Transformer Oil	
Residual Petroleum Products Nes, & Related Materials	4
Bitumen Mixtures	
Bituminous Mixtures Based On Natural Asphalt	
GAS	180
Natural Gas, Whether or Not Liquefied	170
Natural Gas Liquefied	
Natural Gas Gaseous	

Section / Division / Group	Weight
Petroleum Gases & Other Gaseous Hydrocarbons Nes Liquified Petroleum Gas	10
ANIMAL & VEGETABLE OILS FATS & WAXES	67
FIXED VEGETABLE FATS & OILS CRUDE REFINED OR FRACTIONATED	21
Fixed Vegetable Fats & Oils, 'soft', Crude, Refined or Fractionated	7
Refined Rape Colza or Mustard Oil & Fractions	
Sesame (Sesamum) Oil & Its Fractions	
Fixed Vegetable Fats & Oils, Crude, Refined or Fractionated, Other Than Soft	14
Crude Palm Oil	
Refined Palm Oil & Its Fractions	
Refined Palm Kernel or Babassu Oil & Fractions Thereof	
Sunflower Oil	
ANIMAL OR VEGETABLE FATS & OILS	46
Animal or Vegetable Fats & Oils	46
Fats Oils & Their Fractions	
CHEMICALS & CHEMICAL PRODUCTS	1,225
ORGANIC CHEMICALS	573
Hydrocarbons Nes & Their Halogenated, Sulphonated, Nitrated or Nitrosated	287
Derivatives	
Ethylene	
Propene (Propylene)	
Other Acyclic Hydrocarbons	
Benzene	
Toluene	
Xylene	
Fluorinated Brominated or Iodinated Derivatives of Acyclic Hydrocarbons	
Halogenated Derivatives of Acyclic Hydrocarbons	21
Alcohols, Phenols, Phenol-Alcohols, & Their Halogenated, Nitrated or Nitrosated Derivatives Methanol	31
Ethyl Alcohol	
Industrial Fatty Alcohols	
Fatty Acids & Acid Oils	
Propylene Glycol	
Acyclic Alcohols	
Carboxylic Acids & Their Anhydrides, Halides, Peroxides & Peroxyacids	48
Acetic Acid	
Esters of Acetic Acid	
Methacrylic Acid & Its Salts & Esters	
Saturated Acyclic Monocarboxylic Acids & Their Derivatives	
Unsaturated Acyclic Monocarboxylic Acids & Their Derivatives	
Maleic Anhydride	
Polycarboxylic Acids & Their Derivatives	
Other Carboxylic Acids	
Nitrogen-Function Compounds	8

Acyclic Polyamines & Their Derivatives	
Amino-Alcohol-Phenols Amino-Acid-Phenols	
organo-Inorganic Compounds, Heterocyclic Compounds, Nucleic Acids &	90
Their Salts Methionine	
Other organo-Sulphur Compounds	
organo-Inorganic Compounds	
Lactams	
Lactones	
Other Heterocyclic Compounds	
Heterocyclic Compounds With Nitrogen Hetero-Atom(s)	
Heterocyclic Compounds	
Other Heterocyclic Compounds With Nitrogen Hetero-Atom(s)	
Nucleic Acids & Their Salts & Heterocyclic Compounds	
Sulphonamides	
Other organic Chemicals	108
Ether-Alcohols & Their Derivatives	
Aldehydes	
Enzymes	
INORGANIC CHEMICALS	56
Inorganic Chemical Elements, Oxides & Halogen Salts	47
Hydrogen Gas	
Hydrogen Chloride	
Silicon Dioxide	
Other Inorganic Oxygen Compounds of Non-Metals	
Halides & Halide Oxides of Non-Metals	
Sodium Hydroxide In Aqueous Solution (Soda Lye or Liquid Soda)	
Salts & Peroxysalts, of Inorganic Acids & Metals	4
Calcium Chloride	
Other Chlorides	
Other Phosphates	
Sodium Bicarbonate	
Silicates	
Other Inorganic Chemicals; organic & Inorganic Compounds of Precious	6
Metals Colloidal Precious Metals	
Inorganic Compounds DYEING TANNING & COLOURING MATERIALS	42
Synthetic organic Colouring Matter & Colour Lakes	22
Other Synthetic organic Colouring Matter	22
Synthetic organic Products	
Pigments, Paints, Varnishes & Related Materials	20
Pigments Based On Titanium Dioxide	20
Other Paints In Aqueous Medium	
Other Paints in Aqueous Medium Other Paints In Non-Aqueous Medium	
Glaziers' Putty	

ction / Division / Group	Weigh
MEDICINAL & PHARMACEUTICAL PRODUCTS	100
Medicinal & Pharmaceutical Products	7(
Other Vitamins & Its Derivatives, Unmixed	
Intermixtures of Provitamins & Vitamins	
Penicillins & Their Derivatives	
Glands & Other organs For 30rganotherapeutics Uses	
Antisera & Other Blood Fractions	
Human Blood Prepared	
Wadding Gauze Bandages & Similar Articles	
Other Pharmaceutical Goods	
Medicaments Incl Veterinary Medicaments	30
Medicaments Containing Hormones	3.
Animal Health Products	
Medicaments Packed For Retail	
SSENTIAL OILS & RESINOIDS & PERFUME MATERIALS; TOILET POLISHING &	7
CLEANSING PREPARATIONS	
Essential Oils, Perfume & Flavour Materials	•
Odoriferous Preparations For Food or Drink Industries	
Perfumery, Cosmetic or Toilet Preparations	5!
Face or Skin Creams & Lotions	
Make-Up Preparations	
Preparations For Use On The Hair	
Perfuming or Deodorizing Preparations	
Soap, Cleansing & Polishing Preparations	16
organic Surface-Active Agents	
Surface-Active Preparations For Retail	
Washing Preparations	
Surface-Active Preparations Not For Retail Sale	
Polishes, Creams & Similar Preparations	
PLASTICS IN PRIMARY FORMS	143
Polymers of Ethylene, In Primary Forms	67
Polyethylene With A Specific Gravity Under 0.94	
Polyethylene With A Specific Gravity Over 0.94	
Other Polymers of Ethylene	
Styrene Polymers	9
Other Polystyrene	
Abs Copolymers	
Polymers of Vinyl Chloride or of Other Halogenated Olefins, In Primary Forms	:
Polyvinyl Chloride	
Fluoropolymers	
Polyacetals, Other Polyethers & Epoxide Resins, In Primary Forms	;
Polyacetals	
Polyethers	
Epoxide Resins	
Polycarbonates	
Polyesters	

Section / Division / Group	Weight
Other Plastics, In Primary Forms	55
Polypropylene	
Polyisobutylene	
Propylene Copolymers	
Other Olefins	
Other Acrylic Polymers	
Polyamides	
Polymers of Other Vinyl Esters	
Silicones In Primary Forms	
Natural Polymers	
lon Exchangers	
PLASTICS IN NON-PRIMARY FORMS	33
Tubes, Pipes & Hoses, & Fittings of Plastics	6
Tubes, Pipes & Hoses	9
Other Tubes Pipes & Hoses Not Reinforced	
Plates, Sheets, Film, Foil & Strip, of Plastics	27
Plates, Sheets, Film, Foil, Tape Strip & Other Flat Shapes Self-Adhesives	_,
of Plastics	
Other Plates Self-Adhesive of Plastics	
Other Plates of Plastics Non-Cellular	
Plates, Sheets, Film, Foil, Tape Strip & Other Flat Shapes Self-Adhesives of	
Non-Cellular & Not Reinforced With Polyesters	
Other Plates Sheets Film Foil & Strip of Plastics	
CHEMICAL MATERIALS & PRODUCTS	204
Insecticides, Disinfectants & Similar Products	1
Insecticides	
Disinfectants	
Starches, Inulin & Wheat Gluten; Albuminoidal Substances; Glues	5
Starch	
Adhesives	
Prepared Additives & Lubricating Preparations	34
Additives For Lubricating Oils	
Prepared Additives For Mineral Oils	
Hydraulic Brake Fluids	
Lubricating Preparations	
Miscellaneous Chemical Products Nes	163
Chemical Elements Doped For Use In Electronics	
Diagnostic or Laboratory Agents	
Supported Catalysts	
Other Chemical Products & Preparations	
MANUFACTURED GOODS	416
RUBBER MANUFACTURES	7
Rubber Tyres, Tyre Treads For All Wheels	4

Tyres, Pneumatic For Motor Cars	
Tyres, Pneumatic For Buses or Lorries	
Solid or Cushion Tyres Tyre Treads & Tyre Flaps of Rubber	
Articles of Rubber Nes	4
Transmission Belts or Belting	
Articles of Unhardened Non-Cellular Vulcanized Rubber	
CORK & WOOD MANUFACTURES	14
Veneers, Plywood, Particle Board, & Other Wood, Worked Nes	3
Particle Board Osb of Wood	
Other Plywood Consisting Solely of Wood Sheets	
Other Plywood Consisting Solely of Bamboo Sheets	
Other Plywood Veneered Panels	
Wood Manufactures Nes	11
Packing Cases Boxes Crates Drums & Similar Packings	
Pallets Box Pallets & Other Load Boards	
PAPER PAPERBOARD & ARTICLES	34
Paper & Paperboard	9
Paper & Paperboard Not Containing Fibres By Mechanical or	
Chemi-Mechanical Process	
Paper & Paperboard Used For Writing	
Paper & Paperboard Coated With Plastics	
Other Paper & Paperboard	
Adhesive Paper	
Articles of Paper & Paperboard	25
Cartons Boxes of Corrugated Paper	
Folding Cartons Boxes	
Sacks & Bags	
Other Packing Containers	
Trays, Dishes, Plates & Cups of Paper or Paperboard	
Handkerchiefs, Cleansing Tissues, Towels or Serviettes of Paper	
Sanitary Towels & Tampons of Paper or Cellulose Wadding	
Adhesive Paper In Rolls	
TEXTILE YARN FABRICS MADE-UP ARTICLES	13
Textile Yarn	2
Synthetic Yarns	
Fabrics, Woven, of Man-Made Textile Materials	1
Other Fabrics Woven of Synthetic Filament Yarn	
Special Yarns, Textile Fabrics & Related Products	5
Non-Wovens, Coated, Covered or Laminated	
Twine, Cordage Ropes & Cables of Synthetic Fibres	
Textile Products For Technical Uses	
Made-Up Articles, Wholly or Chiefly of Textile Materials Nes	5
Life-Jackets, Lifebelts & Other Made-Up Articles	

tion / Division / Group	Weight
NON-METALLIC MINERAL MANUFACTURES	83
Lime, Cement, & Fabricated Construction Materials	8
Quicklime	J
Portland Cement	
Articles of Asbestos-Cement of Cellulose Fibre-Cement	
Clay Construction Materials & Refractory Construction Materials	4
Glazed Ceramic Tiles	7
Mineral Manufactures Nes	43
Millstones Grindstones	43
Building Blocks & Bricks Tiles Flagstones & Similar Articles	
Prefabricated Structural Components For Building or Civil Engineering	
Articles of Cement, Concrete or Artificial Stone	
Non-Electrical Articles of Graphite	
Ceramic Wares For Technical Uses	
	15
Glass	15
Safety Glass Consisting of Toughened (Tempered)	
Glass, Bent, Edge-Worked, Engraved, Drilled, Enamelled or Otherwise	
Thin Sheets, Webs, Mats, Mattresses, Boards & Similar Products of Glass	
Glassware	12
Laboratory, Hygienic or Pharmaceutical Glassware	
Other Glass Articles	
Pottery	1
Porcelain Tableware & Kitchenware	_
RON & STEEL	97
Flat-Rolled Products of Iron or Non-Alloy Steel, Not Clad, Plated or	6
Coated	· ·
Flat-Rolled Products Not In Coils of Iron	
Flat-Rolled Products In Coils of Iron	
Other Flat-Rolled Products Hot Rolled of Iron	
Flat-Rolled Products of Iron or Non-Alloy Steel, Clad, Plated or Coated	4
Flat-Rolled Products of Iron Plated With Zinc	
Flat-Rolled Products of Iron Plated With Tin	
Flat-Rolled Products of Alloy Steel	6
Flat-Rolled Products of Silicon-Electrical Steel	
Flat-Rolled Products of Stainless Steel	
Flat-Rolled Products of Other Alloy Steel Not Further Worked Than Hot-Rolled	
Flat-Rolled Products of Other Alloy Steel Not Further Worked Than Cold-Rolled	
Iron & Steel Bars, Rods, Angles, Shapes & Sections Incl Sheet Piling	63
Bars & Rods Hot-Rolled In Irregularly Wound Coils of Iron or Stainless Steel	
Bars & Rods Hot-Rolled In Irregularly Wound Coils of Iron	
Bars & Rods of Iron or Non-Alloy Steel Not Further Worked	
Than Hot-Rolled Hot-Drawn or Hot-Extruded Containing Deformations	
Produced During The Rolling Process	
Bars & Rods of Iron Not Further Worked Than Hot-Rolled	
Bars & Rods of Iron Not Further Worked Than Cold-Formed	

High Speed Steel Bars	
Other Bars & Rods of Other Iron	
Bars & Rods of Stainless Steel	
U I or H Sections Unworked Than Hot-Rolled	
Other Angles Shapes & Sections Not Further Worked Than Hot-Rolled	
Other Angles Shapes & Sections of Iron	
Wire of Iron or Steel	1
Wire of Iron	
Wire of Stainless Steel	
Tubes, Pipes & Hollow Profiles of Iron or Steel	17
Tubes Pipes & Hollow Profiles of Cast Iron	
Line Pipe For Oil or Gas Pipelines of Iron or Steel	
Other of Circular Cross-Section of Iron	
Other of Circular Cross-Section of Stainless Steel	
Other Seamless Tubes Pipes & Hollow Profiles	
Tubes, Pipes, Hollow Profiles Welded of Circular Cross-Section	
Other Tubes Pipes Hollow Profiles Welded of Non-Circular Cross-Section	
Tubes, Pipes & Hollow Profiles of Iron or Steel	
Cast Fittings of Non-Malleable Cast Iron	
Tube & Pipe Fittings of Iron or Steel	
NON-FERROUS METALS	47
Silver, Platinum & Other Metals of The Platinum Group	12
Silver, Unwrought	
Silver, Semi-Manufactured or Powdered	
Other Metals of The Platinum Group	
Platinum & Other Metals of The Platinum Group	
Copper	22
Unrefined Copper	
Refined Copper	
Copper Bars Rods & Profiles of Refined Copper	
Copper Bars Rods & Profiles of Copper Alloys	
Copper Wire of Refined Copper	
Copper Plates Sheets & Strip of Refined Copper	
Copper Plates Sheets & Strip of A Thickness Over 0.15Mm of Copper Alloys	
Copper Foil of A Thickness (Excl Any Backing) Under 0.15Mm	
Tube or Pipe Fittings	
Nickel	2
Nickel Not Alloyed	
Nickel Bars Rods Profiles & Wire	
Aluminium	9
Aluminium Not Alloyed	
Bars & Rods of Aluminium	
Aluminium Bars Rods & Profiles	
Aluminium Plates Sheets & Strip	
Aluminium Foil of A Thickness (Excl Any Backing) Under 0.2Mm	
Zinc	1

Other Articles of Copper
Other Articles of Nickel
Other Articles of Zinc
Other Articles of Aluminium
Other Titanium Wrought
Other Base Metals Wrought

MACHINERY & TRANSPORT EQUIPMENT	4,316
POWER-GENERATING MACHINERY & EQUIPMENT	120
Internal Combustion Piston Engines & Parts	13
Parts For Engines Excluding Aircraft Engines	
Parts For Internal Combustion Engines	
Engines & Motors, Non-Electric	97
Turbo-Jet Reaction Engines	
Other Gas Turbines	
Parts For Turbo-Jets or Turbo-Propellers	
Parts For Gas Turbines	
Rotating Electric Plant & Parts	10
Electric Motors Under 37.5W	
MACHINERY SPECIALIZED FOR PARTICULAR INDUSTRIES	415
Civil Engineering & Contractors' Equipment	27
Parts For Boring And Sinking Equipment	
Other Machinery & Equipment Specialized For Particular Industries	389
Parts & Accessories Suitable For Use Solely or Principally With The Machine Tools	
Machines & Apparatus For The Manufacture of Boules & Wafers	
Parts & Accessories For Machines & Apparatus For Manufacturing Semiconductors Electronic Integrated Circuits or Flat Panel Displays Machines & Mechanical Appliances Having Individual Functions	
Parts For The Machines	
METALWORKING MACHINERY	18
Machine Tools For Removing Metal or Other Material	4
Machine Tools For Working Any Material By Removal of Material By Laser	
Parts & Accessories For Machine Tools	11
Other Parts & Accessories Suitable For Use Solely or Principally With The Machine Tools	
Metalworking Machinery	2
Parts For Machinery	
GENERAL INDUSTRIAL MACHINERY & EQUIPMENT & MACHINE PARTS	156
Heating & Cooling Equipment & Parts	32
Split Air Conditioners	
Other Machinery Plant or Equipment	
Pumps For Liquids & Parts	11
Other Reciprocating Positive Displacement Pumps	
Parts of Pumps	
Pumps Excl Pumps For Liquids	34

Filtering or Purifying Machinery & Apparatus For Liquids or Gases For Filtering or Purifying Water	
Other Filtering or Purifying Machinery	
Parts of Filtering or Purifying Machinery	
Mechanical Handling Equipment & Parts Nes	22
Parts Suitable For Use With Machinery	
Non-Electrical Machinery, Tools & Mechanical Apparatus & Parts	6
Other Machines	
Ball- or Roller Bearings	5
Ball Bearings	
Tapered Roller Bearings	
Other Parts of Ball or Roller Bearings	
Taps, Cocks, Valves & Similar Appliances	26
Pressure-Reducing Valves	
Valves, Cocks, Taps Etc	
Transmission Shafts & Crankshafts	6
Gearboxes	
Other Parts For Articles	
Non-Electric Parts & Accessories of Machinery Nes	14
Injection or Compression Types of Moulds For Rubber or Plastics	
OFFICE MACHINES & AUTOMATIC DATA-PROCESSING MACHINES	495
office Machines	139
Other Capable of Connecting To An Automatic Data Processing Machine	
Parts & Accessories of office Machines, Printers Copying Machines & Facsimile Machines	
Automatic Data-Processing Machines	280
Tablets	
Processing Unit	
Other Automatic Data Processing Machines	
Hard Disk Drives	
Parts & Accessories For office & Automatic Data Processing Machines	76
Parts & Accessories of office Machines	
Assembled Printed Circuit Boards	
Parts & Accessories of Automatic Data Processing Machines	
TELECOMMUNICATIONS & SOUND-RECORDING & REPRODUCING APPARATUS & EQUIPMENT	115
Monitors & Projectors, Without Television Reception Apparatus	9
Monitors	
Televisions	
Sound Recording or Reproducing Apparatus; Video Recording or	1
Reproducing Apparatus	
Other Video-Recording Apparatus	
Telecommunications Equipment	106
Telephone Sets	
Networking Products	
Parts of Telecommunication Equipment	

Section / Division / Group	Weight	
Radar Apparatus		
Television Cameras Digital Cameras & Video Camera Recorders		
Parts of Television & Radio-Broadcast Receivers & Telecom Apparatus		
ELECTRICAL MACHINERY APPARATUS & APPLIANCES & ELECTRICAL PARTS	2,950	
Electric Power Machinery	17	
Electrical Transformers		
Static Converters		
Inductors		
Parts of Electric Power Machinery		
Electrical Circuit Apparatus	92	
Printed Circuits		
Fixed Resistors		
Variable Resistors		
Fuses		
Circuit Breakers		
Relays		
Switches		
Plugs & Sockets		
Connectors		
Valve Controller, Digital		
Equipment For Distributing Electricity Nes	31	
Electric Conductors		

Parts For Electrodiagnostic Apparatus

Household-Type Electrical & Non-Electrical Equipment

Coffee or Tea Makers

Thermionic, Cold Cathode or Photo-Cathode Valves & Tubes; Diodes, Transistors; Photosensitive Semiconductor Devices; Light-Emitting Diodes; Mounted Piezoelectric Crystals; Electronic Integrated Circuits &

Electrodiagnostic Apparatus For Medical, Surgical, Dental or Veterinary

Microassemblies; Parts

Diodes

Transistors

Photocells, Photodiodes & Phototransistors

Processors & Controllers, Logic Circuits, Amplifiers, Clock & Timing Circuits

or Other Circuits

Memories

Amplifiers

Electronic Integrated Circuits

Purposes, & Radiological Apparatus Electrodiagnostic Apparatus

Apparatus Based On The Use of X-Rays

Parts of Electronic Integrated Circuits

Parts of Electronic Integrated Circuits

Electrical Machinery & Apparatus Nes

Primary Cells & Batteries of Manganese Dioxide

Lead Acid Electric Accumulators

38

75

6

11

2,716

Coction	/ Division	/ Graun
Section	/ Division /	Group

Weight

Ceramic Dielectric Fixed Capacitors Multilayer	
Other Electrical Machines & Apparatus Having Individual Functions	
Parts of Electrical Machines & Apparatus Having Individual Functions	
ROAD VEHICLES	47
Motor Cars	23
Other Motor Vehicles For The Transport of Persons	
Motor Vehicles For The Transport of Goods & Special-Purpose Motor	7
Vehicles	
Other Motor Vehicles For The Transport of Goods	
Parts & Accessories of Motor Vehicles	14
Other Parts & Accessories of Motor Vehicles	
Motor Cycles Incl Mopeds & Cycles, Motorized & Non-Motorized	3
Parts & Accessories of Motor Cycles	
MISCELLANEOUS MANUFACTURED ARTICLES	797
PREFABRICATED BUILDINGS; SANITARY PLUMBING HEATING & LIGHTING FIXTURES & FITTINGS	6
Sanitary, Plumbing & Heating Fixtures & Fittings Nes	1
Sanitary Fixtures of Porcelain	
Lighting Fixtures & Fittings Nes	5
Electric Lamps & Lighting Fittings	
FURNITURE	30
Furniture & Parts	30
Furniture of Metal	
Furniture of Wood	
TRAVEL GOODS HANDBAGS	20
Containers of Leather or Composition Leather & Travel Sets For Sewing	20
or Cleaning	
Leather Handbags	
Handbags With Outer Surface of Sheeting of Plastic or Textile Materials	
Handbags	
Articles Carried In The Pocket or Handbag	
ARTICLES OF APPAREL & CLOTHING ACCESSORIES	27
Men's Clothing, Not Knitted or Crocheted	4
Cotton For Men or Boys	
Shirts of Cotton For Men or Boys	
Shirt of Other Textile Material For Men or Boys	
Women's Clothing	6
Cotton For Women or Girls	
Articles of Apparel, of Textile Fabrics, Whether or Not Knitted or Crocheted	12
Nes	
T-Shirts, Singlets & Other Vests, Knitted or Crocheted	
Clothing Accessories, of Textile Fabrics, Knitted or Crocheted	5
Gloves Mittens & Mitts of Cotton Knitted or Crocheted	
FOOTWEAR	6
Footwear	6

Tennis Shoes, Basketball Shoes, Gym Shoes & Training Shoes	
Section / Division / Group	Weight
Other Products	
Leather Footwear	
PROFESSIONAL SCIENTIFIC & CONTROLLING INSTRUMENTS & APPARATUS	387
Optical Instruments & Apparatus Nes	7
Optical Devices Appliances & Instruments	
Instruments & Appliances For Medical, Surgical, Dental or Veterinary	65
Purposes	
Syringes, Needles, Catheters, Cannulae	
Instruments & Appliances Used In Medical, Surgical or Veterinary Sciences	
Therapeutic Respiration Apparatus	245
Measuring, Checking, Analysing & Controlling Instruments & Apparatus Nes	315
Direction-Finding Compasses	
Surveying Instruments & Appliances	
Measuring or Checking Instruments, Appliances & Machines	
Instruments & Apparatus For Measuring or Checking The Pressure of Liquids or Gases	
Other Instruments & Apparatus For Measuring The Flow Level Pressure	
Parts & Accessories For Instruments & Apparatus For Measuring Flow	
Level	
Chromatographs & Electrophoresis Instruments	
Spectrometers Spectrophotometers & Spectrographs Using Optical Radiations	
Other Instruments & Apparatus Using Optical Radiations	
Instruments For Physical or Chemical Analysis	
Microtomes & Its Parts & Accessories	
Hydrometers	
Regulating or Controlling Instruments	
Parts & Accessories For Measuring, Checking, Analysing & Controlling Instrument & Apparatus Oscilloscopes & Oscillographs	
Other Instruments & Apparatus Specially Designed For Telecommunications	
Instruments & Apparatus For Measuring or Checking Electrical Quantities	
Parts For The Instruments & Apparatus of Subgroup 874.7	
Other Parts For Machines Appliances Instruments & Apparatus	
PHOTOGRAPHIC APPARATUS EQUIPMENT & SUPPLIES & OPTICAL GOODS	59
Photographic Apparatus & Equipment Nes	1
Parts & Accessories For Cameras	
Photographic & Cinematographic Supplies	8
Chemical Preparations For Photographic Uses	
Optical Goods Nes	32
Contact Lenses	

Optical Fibres & Optical Fibre Bundles & Cables

Wrist-Watches With Case of or Cladded With Precious Metals

Mounted Optical Elements

Wrist-Watches Electrically Operated

Watches & Clocks

19

Artificial Parts of The Body

Section / Division / Group	Weight
Non- Electrically Operated Wrist-Watches	
Time Switches	
Clock or Watch Parts	
MISCELLANEOUS MANUFACTURED ARTICLES	261
Printed Matter	12
Books, Brochures & Similar Printed Matter	
Other Newspapers Journals & Periodicals	
Paper or Paperboard Labels	
Other Printed Matter	
Articles of Plastics	35
Sacks & Bags	
Articles For The Conveyance or Packing of Goods	
Tableware, Kitchenware & Other Household Articles & Toilet Articles	
Other Articles of Plastics	
Baby Carriages, Toys, Games & Sporting Goods	10
Tricycles, Scooters, Pedal Car & Similar Toys	
Video Games	
office & Stationery Supplies	3
Writing or Drawing Ink	
Jewellery, Goldsmiths' & Silversmiths' Wares & Articles of Precious or Semiprecious Materials	80
Imitation Jewellery of Base Metal	
Articles of Jewellery & Parts of Precious Metal	
Other Articles of Precious Metal	
Musical Instruments & Parts & Accessories	83
Recorded Magnetic Media	
Semiconductor Media	
Smart Cards	
Miscellaneous Manufactured Articles Nes	38
Hearing-Aids	

APPENDIX IV:

Singapore Manufactured Products Price Index (2023=100)

Section	All Items	Non-oil Items	Food & Live Animals	Beverages & Tobacco	Crude Materials	Mineral Fuels	Animal & Vegetable Oils, Fats & Waxes	Chemicals & Chemical Products	Manu- factured Goods	Machinery & Transport Equipment	Misc. Manu- factured Articles
Weights	10,000	8,369	220	14	40	1,631	9	1,794	255	5,266	771
2023	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2023											
Jan	99.2	98.9	99.4	100.4	101.0	100.8	101.7	100.3	100.2	98.5	97.6
Feb	99.2	98.8	99.4	100.4	101.0	100.8	101.7	100.3	100.2	98.4	97.7
Mar	99.2	100.0	99.7	99.8	102.1	94.9	101.8	103.5	100.6	98.9	99.9
Apr	98.6	99.4	99.4	99.8	102.8	94.7	104.7	102.1	100.5	98.6	97.8
May	97.7	99.4	100.1	99.8	104.4	88.8	104.2	100.6	100.4	99.1	98.5
Jun	97.2	98.6	99.9	99.8	105.2	89.9	103.1	97.3	100.1	98.7	100.2
Jul	98.7	99.1	99.4	99.8	97.5	96.5	101.3	96.3	99.3	99.8	101.2
Aug	101.4	99.7	100.3	99.8	98.9	110.2	101.3	99.2	100.1	99.7	101.1
Sep	103.9	101.5	100.7	100.1	100.4	116.3	97.9	101.1	100.1	101.6	102.3
Oct	102.4	101.2	101.3	100.1	95.9	108.5	98.3	101.7	100.0	101.0	102.2
Nov	101.6	101.7	100.5	100.1	95.4	101.2	92.3	99.9	99.7	102.7	100.4
Dec	100.8	101.6	100.0	100.1	95.4	97.2	91.6	97.9	99.0	103.1	101.2

Domestic Supply Price Index (2023=100)

Section	All Items	Non-oil Items	Food & Live Animals	Beverages & Tobacco	Crude Materials	Mineral Fuels	Animal & Vegetable Oils, Fats & Waxes	Chemicals & Chemical Products	Manu- factured Goods	Machinery & Transport Equipment	Misc. Manu- factured Articles
Weights	10,000	7,196	274	26	75	2,804	67	1,225	416	4,316	797
2023	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2023											
Jan	101.8	101.2	99.1	97.6	106.9	104.3	101.2	100.3	101.1	101.7	99.1
Feb	101.7	101.1	99.1	97.6	106.7	104.3	101.2	100.3	101.2	101.6	99.1
Mar	100.3	100.7	99.9	98.7	105.6	98.6	101.4	103.0	100.8	100.3	100.2
Apr	100.2	100.7	99.8	99.6	99.3	97.8	98.9	102.1	101.3	100.6	99.8
May	98.9	100.3	99.9	100.5	100.7	92.9	98.1	100.6	101.1	100.2	100.3
Jun	97.4	98.8	100.2	101.0	98.0	91.2	100.9	98.0	100.5	98.6	100.7
Jul	97.9	98.7	100.2	101.4	97.5	94.7	100.2	96.8	99.7	98.6	100.7
Aug	99.7	99.0	100.9	101.4	97.8	102.8	101.7	99.0	99.3	98.7	100.3
Sep	101.7	100.2	100.7	100.9	95.9	108.3	100.2	101.0	99.2	100.0	100.8
Oct	100.8	99.7	100.5	100.5	95.2	105.2	99.6	101.4	99.1	99.3	100.2
Nov	100.3	99.9	99.5	100.6	98.7	102.3	98.9	99.5	98.5	100.2	99.1
Dec	99.3	99.7	99.9	100.4	97.7	97.7	97.7	98.0	98.1	100.2	99.6

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