

Unit Value Indices (UVI) of exported and imported goods 2020

Unit values of goods exported from January to December 2020 decreased by 8.9% compared with the same period of previous year.

From January to December 2020, compared with the same period of previous year, unit values of goods imported decreased by 4.4%.

From January to December 2020, when observing chapters of customs tariffs i.e. Combined nomenclature, the highest rise of unit value of goods exported of 37.9% was noticed under chapter "Aircraft, spacecraft and their parts", while on the import side of goods, the largest increase of 38.1% was in chapter "Cork and cork products".

Chart 1. Growth rate of unit values of goods exported and imported, in %

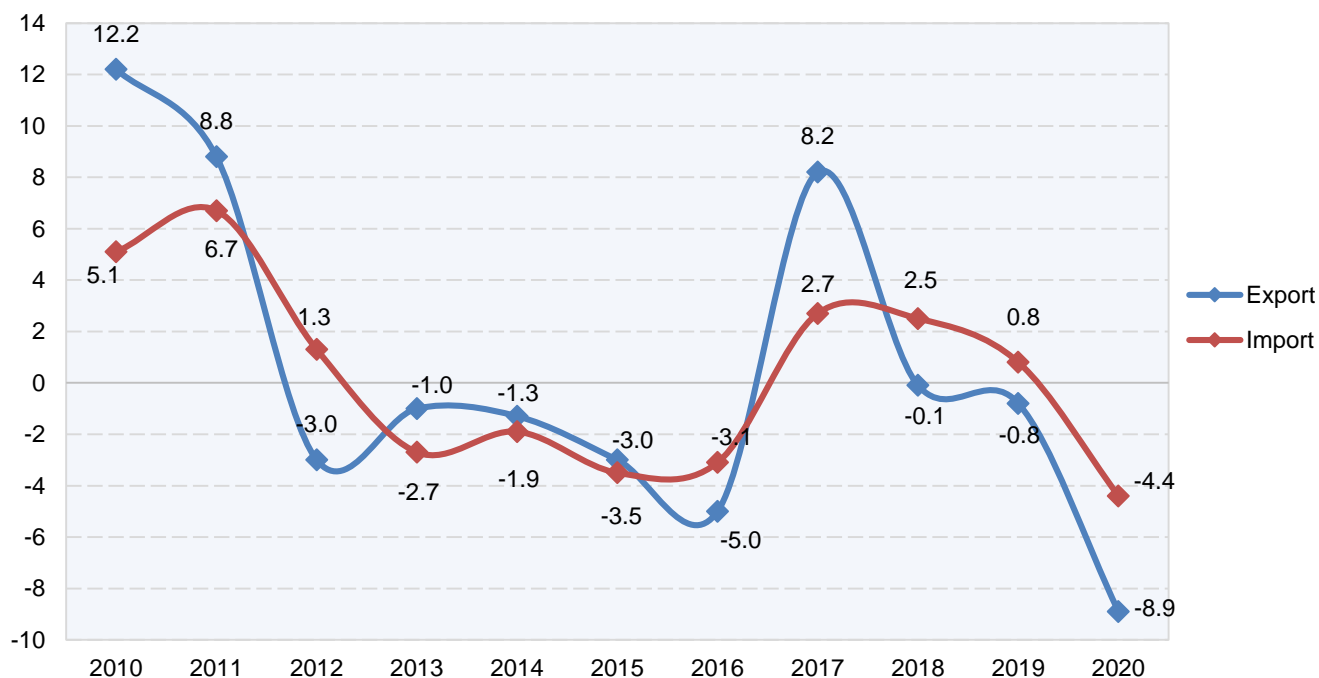


Table 1. Unit value indices of exported and imported goods

BREAKDOWN BY CN CHAPTERS	EXPORT		IMPORT		TRADE RELATIONS	
	2019 2018	2020 2019	2019 2018	2020 2019	2019	2020
Total	99.2	91.1	100.8	95.6	98.4	95.2
Live animals; animal products	100.1	99.6	97.7	97.3	102.4	102.3
Meat and edible meat offal	101.6	102.2	110.3	93.2	92.1	109.7
Fish and crustaceans, molluscs and other aquatic invertebrates	100.0	100.0	100.3	100.6	99.7	99.4
Dairy produce; birds' eggs; natural honey; edible products of animal origin, not elsewhere specified or included	108.4	107.0	102.1	99.7	106.1	107.3
Products of animal origin, not elsewhere specified or included	100.0	100.0	101.3	119.3	98.8	83.8
Live trees and other plants; bulbs, roots and the like; cut flowers and ornamental foliage	95.3	119.0	100.4	96.5	94.9	123.3
Edible vegetables and certain roots and tubers	94.4	84.0	106.7	92.8	88.5	90.5
Edible fruit and nuts; peel of citrus fruit or melons	119.1	110.9	97.2	104.5	122.4	106.1
Coffee, tea, maté and spices	181.1	119.4	95.7	98.2	189.2	121.6
Cereals	100.0	100.0	99.8	105.1	100.2	95.1
Products of the milling industry; malt; starches; inulin; wheat gluten	100.0	100.0	114.1	98.2	87.7	101.8
Oil seeds and oleaginous fruits; miscellaneous grains, seeds and fruit; industrial or medicinal plants; straw and fodder	124.6	96.0	100.9	93.1	123.5	103.2
Lac; gums, resins and other vegetable saps and extracts	100.0	100.0	112.5	89.0	88.9	112.3
Vegetable plaiting materials; vegetable products not elsewhere specified or included	-	-	89.2	135.5	-	-
Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal or vegetable waxes	109.4	99.8	95.2	112.2	115.0	89.0
Preparations of meat, of fish or of crustaceans, molluscs or other aquatic invertebrates	105.4	103.6	99.1	99.2	106.4	104.4
Sugars and sugar confectionery	92.3	96.7	104.1	100.3	88.7	96.5
Cocoa and cocoa preparations	100.3	99.4	104.1	103.3	96.4	96.2
Preparations of cereals, flour, starch or milk; pastry cooks' products	83.2	88.3	103.2	100.3	80.6	88.0
Preparations of vegetables, fruit, nuts or other parts of plants	79.9	100.0	102.9	99.2	77.6	100.8
Miscellaneous edible preparations	102.4	119.6	98.3	109.1	104.2	109.6
Beverages, spirits and vinegar	97.2	96.1	103.4	100.4	93.9	95.7
Residues and waste from the food industries; prepared animal fodder	85.2	114.4	100.1	101.2	85.1	113.1
Tobacco and manufactured tobacco substitutes	100.2	92.0	103.9	99.6	96.4	92.4
Salt; sulphur; earths and stone; plastering materials, lime and cement	93.4	111.4	102.3	104.0	91.3	107.2
Ores, slag and ash	97.0	89.5	126.7	99.2	76.6	90.2
Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral waxes	111.4	75.5	97.3	72.8	114.4	103.8
Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, of radioactive elements or of isotopes	113.5	117.6	94.0	78.9	120.7	149.1
Organic chemicals	66.3	100.0	98.4	92.7	67.4	107.9
Pharmaceutical products	101.2	104.3	101.0	96.6	100.2	108.1
Fertilisers	99.8	111.1	104.0	95.8	96.0	116.0
Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring matter; paints and varnishes; putty and other mastics; inks	111.8	100.0	101.7	98.7	110.0	101.3
Essential oils and resinoids; perfumery, cosmetic or toilet preparations	91.3	113.2	103.2	96.4	88.5	117.5
Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial waxes, prepared waxes, polishing or scouring preparations, candles and similar articles, modelling pastes, 'dental waxes' and dental preparations with a basis of plaster	100.0	107.4	99.0	99.9	101.0	107.5
Albuminoidal substances; modified starches; glues; enzymes	89.6	90.7	101.0	89.0	88.7	101.9

Table 1. Unit value indices of exported and imported goods

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BREAKDOWN BY CN CHAPTERS	EXPORT		IMPORT		EXCHANGE RELATIONS	
	2019 2018	2020 2019	2019 2018	2020 2019	2019	2020
Explosives; pyrotechnic products; matches; pyrophoric alloys; certain combustible preparations	103.8	86.5	100.2	104.2	103.5	83.0
Photographic or cinematographic goods	100.0	100.0	96.1	90.3	104.1	110.8
Miscellaneous chemical products	100.0	107.4	99.6	100.7	100.4	106.7
Plastics and articles thereof	96.3	90.7	100.2	98.9	96.1	91.7
Rubber and articles thereof	50.3	130.0	101.5	100.6	49.6	129.3
Raw hides and skins (other than furskins) and leather	76.6	76.3	101.0	100.1	75.8	76.3
Articles of leather; saddlery and harness; travel goods, handbags and similar containers; articles of animal gut (other than silkworm gut)	106.2	108.8	100.9	100.4	105.3	108.4
Furskins and artificial fur; manufactures thereof	-	-	98.2	95.9	-	-
Wood and articles of wood; wood charcoal	104.6	99.4	100.4	99.1	104.1	100.3
Cork and articles of cork	100.0	-	92.6	138.1	108.0	-
Manufactures of straw, of esparto or of other plaiting materials; basketware and wickerwork	100.0	100.0	93.4	115.6	107.0	86.5
Pulp of wood or of other fibrous cellulosic material; recovered (waste and scrap) paper or paperboard	93.6	75.8	100.0	100.0	93.6	75.8
Paper and paperboard; articles of paper pulp, of paper or of paperboard	94.9	92.0	101.5	97.5	93.5	94.3
Printed books, newspapers, pictures and other products of the printing industry; manuscripts, typescripts and plans	93.5	96.6	107.7	103.9	86.8	92.9
Silk	-	-	100.0	100.0	-	-
Wool, fine or coarse animal hair; horsehair yarn and woven fabric	92.0	-	99.0	104.4	93.0	-
Cotton	100.0	-	115.0	107.0	86.9	-
Other vegetable textile fibres; paper yarn and woven fabrics of paper yarn	-	-	100.0	100.0	-	-
Man-made filaments; strip and the like of man-made textile materials	100.0	-	92.2	102.4	108.5	-
Man-made staple fibres	100.0	100.0	104.4	89.9	95.8	111.2
Wadding, felt and nonwovens; special yarns; twine, cordage, ropes and cables and articles thereof	100.0	100.0	100.1	96.9	99.9	103.2
Carpets and other textile floor coverings	170.3	100.0	104.3	93.2	163.2	107.2
Special woven fabrics; tufted textile fabrics; lace; tapestries; trimmings; embroidery	-	-	109.8	97.5	-	-
Impregnated, coated, covered or laminated textile fabrics; textile articles of a kind suitable for industrial use	100.0	100.0	98.5	99.9	101.5	100.1
Knitted or crocheted fabrics	100.0	100.0	107.3	109.3	93.2	91.5
Articles of apparel and clothing accessories, knitted or crocheted	91.7	61.8	101.3	101.3	90.5	61.0
Articles of apparel and clothing accessories, not knitted or crocheted	102.1	89.0	101.2	101.2	100.9	88.0
Other made-up textile articles; sets; worn clothing and worn textile articles; rags	114.0	64.3	101.2	104.4	112.6	61.6
Footwear, gaiters and the like; parts of such articles	109.3	117.9	102.0	100.2	107.2	117.6
Headgear and parts thereof	100.0	100.0	97.6	99.8	102.4	100.2
Umbrellas, sun umbrellas, walking sticks, seat-sticks, whips, riding-crops and parts thereof	100.0	100.0	101.9	90.6	98.1	110.3
Prepared feathers and down and articles made of feathers or of down; artificial flowers; articles of human hair	100.0	100.0	112.2	100.3	89.2	99.7
Articles of stone, plaster, cement, asbestos, mica or similar materials	98.4	106.8	108.7	91.7	90.5	116.4
Ceramic products	118.4	92.4	98.5	98.4	120.2	93.9
Glass and glassware	100.8	81.1	99.1	98.1	101.7	82.7
Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad with precious metal, and articles thereof; imitation jewellery; coin	100.0	100.0	105.1	113.6	95.1	88.0
Iron and steel	92.6	95.2	94.6	93.3	97.8	102.1

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BREAKDOWN BY CN CHAPTERS	EXPORT		IMPORT		EXCHANGE RELATIONS	
	<u>2019</u> 2018	<u>2020</u> 2019	<u>2019</u> 2018	<u>2020</u> 2019	2019	2020
Articles of iron or steel	100.2	106.0	101.9	98.8	98.4	107.3
Copper and articles thereof	92.5	101.0	97.4	101.9	95.0	99.1
Nickel and articles thereof	-	-	109.2	98.5	-	-
Aluminium and articles thereof	91.0	91.0	99.6	94.7	91.4	96.1
Lead and articles thereof	86.2	95.6	100.2	84.0	86.0	113.9
Zinc and articles thereof	100.0	100.0	99.8	106.2	100.2	94.1
Tin and articles thereof	-	-	100.1	89.7	-	-
Other base metals; cermets; articles thereof	100.0	100.0	73.2	100.0	136.7	100.0
Tools, implements, cutlery, spoons and forks, of base metal; parts thereof of base metal	174.4	100.0	102.4	101.3	170.3	98.7
Miscellaneous articles of base metal	100.5	113.4	102.0	100.7	98.5	112.6
Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof	98.8	97.8	100.5	99.5	98.3	98.2
Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles	93.3	94.6	99.5	99.4	93.8	95.1
Railway or tramway locomotives, rolling stock and parts thereof; railway or tramway track fixtures and fittings and parts thereof; mechanical (including electromechanical) traffic signalling equipment of all kinds	100.0	100.0	100.9	100.8	99.1	99.2
Vehicles other than railway or tramway rolling stock, and parts and accessories thereof	98.9	97.1	101.5	100.5	97.4	96.6
Aircraft, spacecraft, and parts thereof	68.5	137.9	101.9	101.6	67.3	135.8
Ships, boats and floating structures	91.2	100.0	99.5	99.8	91.6	100.2
Optical, photographic, cinematographic, measuring, checking, precision, medical or surgical instruments and apparatus; parts and accessories thereof	102.0	95.8	101.1	98.9	100.9	96.8
Clocks and watches and parts thereof	100.0	52.8	101.5	101.1	98.6	52.3
Musical instruments; parts and accessories of such articles	100.0	100.0	102.1	109.3	97.9	91.4
Arms and ammunition; parts and accessories thereof	104.4	82.2	101.7	101.5	102.7	81.0
Furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; lamps and lighting fittings, not elsewhere specified or included; illuminated signs, illuminated nameplates and the like; prefabricated buildings	96.2	96.9	102.0	100.8	94.3	96.2
Toys, games and sports requisites; parts and accessories thereof	72.8	101.9	102.3	100.8	71.2	101.1
Miscellaneous manufactured articles	99.9	100.0	103.2	96.4	96.8	103.7
Works of art, collectors' pieces and antiques	100.0	97.9	100.0	74.3	100.0	131.7

METHODOLOGICAL EXPLANATIONS

Unit value indices of exported and imported goods are aimed at analytical measuring the dynamics of unit values of export and import, and they are also used as a deflator in Gross Domestic Product calculation.

The data source for unit value index calculation are collective customs declarations on export and import of goods which are monthly transmitted to Statistical Office of Montenegro by Customs Administration of Montenegro, and used for regular statistical survey in the foreign trade of Montenegro.

Indices of exported and imported prices are calculated as Unit Value Indices (UVI), i.e. changes indices of export and import values per quantity unit of products exported and imported, i.e. per kilogram as a standard and comparable quantity unit for all products.

Indices are calculated by Fisher formula, as an arithmetic average between Laspeyres and Paasche formulas, i.e.

Laspeyres index $= (\sum p_1 * q_0 / \sum p_0 * q_0) * 100$,

Paasche index $= (\sum p_1 * q_1 / \sum p_0 * q_1) * 100$ i

Fisher index = $\sqrt{\text{Laspeyres} * \text{Paasche}}$

Where:

p_0 unit value from previous period,
 p_1 unit value from current period,
 q_0 quantity from previous period and
 q_1 quantity from current period.

Relations of exchange are relations between export and import of unit values.

Processing excludes products with the value under 1 000 EUR, where is unit value of current year twice or higher in comparison with previous year and vice versa, where is the quantity of current year 10 times or higher in comparison with previous year and vice versa.

The data are presented by chapters of customs tariff, i.e. Combined Nomenclature.

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