

RELEASE 79/2023

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

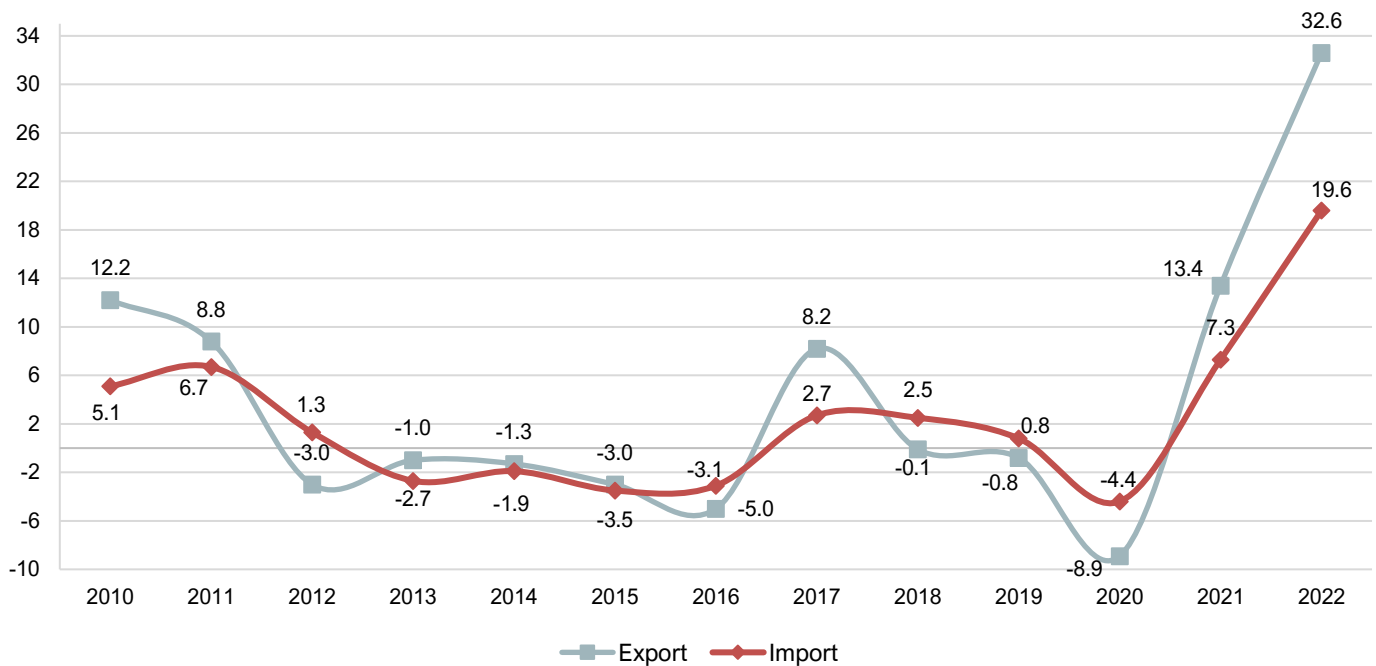
### 2022

Unit values of goods exported from January to December 2022 increased by 32.6% compared with the same period of previous year.

From January to December 2022, compared with the same period of previous year, unit values of goods imported increased by 19.6%.

From January to December 2022, when observing chapters of customs tariffs i.e. Combined nomenclature, the highest rise of unit value of goods exported of 77.6% was noticed under chapter “ Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral waxes ”, while on the import side of goods, the largest increase of 56.1% is also recorded in the same chapter.

**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	
	2021 2020	2022 2021	2021 2020	2022 2021	2021	2022
<b>Total</b>	<b>113.4</b>	<b>132.6</b>	<b>107.3</b>	<b>119.6</b>	<b>105.7</b>	<b>110.9</b>
Live animals; animal products	99.2	104.1	108.5	131.4	91.4	79.2
Meat and edible meat offal	95.2	110.8	96.4	127.9	98.8	86.6
Fish and crustaceans, molluscs and other aquatic invertebrates	91.3	100.0	101.0	121.9	90.4	82.0
Dairy produce; birds' eggs; natural honey; edible products of animal origin, not elsewhere specified or included	92.7	109.3	102.2	136.7	90.8	80.0
Products of animal origin, not elsewhere specified or included	100.0	100.0	120.0	116.4	83.4	85.9
Live trees and other plants; bulbs, roots and the like; cut flowers and ornamental foliage	113.4	69.7	106.0	107.6	107.0	64.8
Edible vegetables and certain roots and tubers	93.5	104.3	102.3	121.3	91.4	86.0
Edible fruit and nuts; peel of citrus fruit or melons	133.5	99.2	96.8	110.5	137.9	89.8
Coffee, tea, maté and spices	88.5	100.0	101.6	118.5	87.1	84.4
Cereals	116.4	100.0	126.6	133.0	91.9	75.2
Products of the milling industry; malt; starches; inulin; wheat gluten	100.0	100.0	110.7	153.5	90.3	65.1
Oil seeds and oleaginous fruits; miscellaneous grains, seeds and fruit; industrial or medicinal plants; straw and fodder	128.2	100.2	112.8	114.1	113.7	87.8
Lac; gums, resins and other vegetable saps and extracts	100.0	100.0	119.4	79.6	83.7	125.6
Vegetable plaiting materials; vegetable products not elsewhere specified or included	-	-	85.5	87.2	-	-
Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal or vegetable waxes	140.1	152.0	130.3	139.3	107.6	109.1
Preparations of meat, of fish or of crustaceans, molluscs or other aquatic invertebrates	104.5	108.9	103.4	112.2	101.0	97.0
Sugars and sugar confectionery	107.6	143.3	107.4	135.3	100.2	105.9
Cocoa and cocoa preparations	106.4	129.6	103.6	116.1	102.7	111.6
Preparations of cereals, flour, starch or milk; pastry cooks' products	109.3	121.9	104.1	120.4	105.0	101.3
Preparations of vegetables, fruit, nuts or other parts of plants	109.6	100.7	102.7	116.4	106.7	86.5
Miscellaneous edible preparations	89.3	120.2	103.3	112.7	86.5	106.7
Beverages, spirits and vinegar	103.1	121.1	103.1	112.5	99.9	107.7
Residues and waste from the food industries; prepared animal fodder	132.4	115.2	117.6	122.5	112.6	94.1
Tobacco and manufactured tobacco substitutes	101.4	94.0	99.7	104.9	101.7	89.6
Salt; sulphur; earths and stone; plastering materials, lime and cement	104.4	104.3	101.3	134.1	103.1	77.8
Ores, slag and ash	123.6	111.6	96.1	80.2	128.7	139.2
Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral waxes	108.6	177.6	147.0	156.1	73.9	113.8
Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, of radioactive elements or of isotopes	114.0	155.2	115.6	111.4	98.6	139.4
Organic chemicals	146.8	100.0	103.5	103.8	141.8	96.3
Pharmaceutical products	85.0	115.3	100.0	113.4	85.1	101.7
Fertilisers	101.7	99.9	111.7	151.7	91.1	65.9
Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other colouring matter; paints and varnishes; putty and other mastics; inks	101.6	102.1	103.0	117.5	98.6	86.9
Essential oils and resinoids; perfumery, cosmetic or toilet preparations	115.0	86.8	104.9	115.6	109.6	75.0
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	64.9	117.4	98.0	83.2	66.3	141.1
Albuminoidal substances; modified starches; glues; enzymes	113.1	103.5	96.2	132.9	117.7	77.9

Table 1. Unit value indices of exported and imported goods

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BREAKDOWN BY CN CHAPTERS	EXPORT		IMPORT		EXCHANGE RELATIONS	
	2021 2020	2022 2021	2021 2020	2022 2021	2021	2022
Explosives; pyrotechnic products; matches; pyrophoric alloys; certain combustible preparations	70.1	128.4	109.3	130.9	64.2	98.1
Photographic or cinematographic goods	100.0	100.0	107.0	102.4	93.4	97.7
Miscellaneous chemical products	127.8	100.0	99.5	110.6	128.4	90.4
Plastics and articles thereof	103.5	114.1	106.5	115.9	97.2	98.4
Rubber and articles thereof	100.0	92.2	102.1	110.7	97.9	83.3
Raw hides and skins (other than furskins) and leather	115.1	109.0	102.0	107.6	112.9	101.3
Articles of leather; saddlery and harness; travel goods, handbags and similar containers; articles of animal gut (other than silkworm gut)	97.8	100.0	101.6	101.1	96.2	98.9
Furskins and artificial fur; manufactures thereof	100.0	100.0	90.4	150.7	110.7	66.3
Wood and articles of wood; wood charcoal	110.6	124.3	107.7	125.5	102.7	99.1
Cork and articles of cork	-	-	82.1	103.0	-	-
Manufactures of straw, of esparto or of other plaiting materials; basketware and wickerwork	100.0	100.0	116.3	96.4	86.0	103.7
Pulp of wood or of other fibrous cellulosic material; recovered (waste and scrap) paper or paperboard	164.6	121.2	100.0	100.0	164.6	121.2
Paper and paperboard; articles of paper pulp, of paper or of paperboard	107.0	123.7	100.4	137.0	106.6	90.3
Printed books, newspapers, pictures and other products of the printing industry; manuscripts, typescripts and plans	114.4	107.3	99.8	106.7	114.6	100.6
Silk	-	-	145.6	100.0	-	-
Wool, fine or coarse animal hair; horsehair yarn and woven fabric	-	-	108.2	100.0	-	-
Cotton	100.0	100.0	99.6	104.1	100.4	96.1
Other vegetable textile fibres; paper yarn and woven fabrics of paper yarn	100.0	100.0	100.0	100.0	100.0	100.0
Man-made filaments; strip and the like of man-made textile materials	100.0	100.0	96.7	106.3	103.5	94.1
Man-made staple fibres	100.0	100.0	109.3	115.7	91.5	86.4
Adding, felt and nonwovens; special yarns; twine, cordage, ropes and cables and articles thereof	100.0	100.0	107.2	111.4	93.3	89.8
Carpets and other textile floor coverings	84.7	160.7	103.8	100.6	81.6	159.8
Special woven fabrics; tufted textile fabrics; lace; tapestries; trimmings; embroidery	100.0	100.0	85.2	92.3	117.4	108.4
Impregnated, coated, covered or laminated textile fabrics; textile articles of a kind suitable for industrial use	100.0	100.0	115.6	112.3	86.5	89.0
Knitted or crocheted fabrics	-	100.0	96.1	73.3	-	136.4
Articles of apparel and clothing accessories, knitted or crocheted	112.1	99.3	100.5	111.2	111.5	89.4
Articles of apparel and clothing accessories, not knitted or crocheted	114.2	110.6	100.6	100.0	113.5	110.6
Other made-up textile articles; sets; worn clothing and worn textile articles; rags	91.3	123.4	105.4	105.7	86.6	116.8
Footwear, gaiters and the like; parts of such articles	95.9	105.0	100.5	109.7	95.3	95.8
Headgear and parts thereof	100.0	100.0	101.3	116.4	98.8	85.9
Umbrellas, sun umbrellas, walking sticks, seat-sticks, whips, riding-crops and parts thereof	100.0	100.0	106.8	103.3	93.6	96.8
Prepared feathers and down and articles made of feathers or of down; artificial flowers; articles of human hair	100.0	100.0	101.9	97.1	98.1	103.0
Articles of stone, plaster, cement, asbestos, mica or similar materials	106.4	95.5	98.6	114.9	107.9	83.1
Ceramic products	109.1	106.8	106.0	127.6	103.0	83.7
Glass and glassware	93.8	110.1	103.8	120.0	90.3	91.7
Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad with precious metal, and articles thereof; imitation jewellery; coin	100.0	73.3	78.5	87.2	127.4	84.0
Iron and steel	137.3	123.5	141.4	115.6	97.1	106.9

Table 1. Unit value indices of exported and imported goods

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BREAKDOWN BY CN CHAPTERS	EXPORT		IMPORT		EXCHANGE RELATIONS	
	<u>2021</u> <u>2020</u>	<u>2022</u> <u>2021</u>	<u>2021</u> <u>2020</u>	<u>2022</u> <u>2021</u>	2021	2022
Articles of iron or steel	102.3	92.6	110.1	110.6	93.0	83.7
Copper and articles thereof	142.2	112.8	121.5	113.0	117.0	99.9
Nickel and articles thereof	-	-	113.6	106.4	-	-
Aluminium and articles thereof	141.0	137.4	107.6	119.6	131.1	114.8
Lead and articles thereof	99.4	94.9	83.2	106.2	119.5	89.3
Zinc and articles thereof	100.0	100.0	106.6	111.7	93.8	89.6
Tin and articles thereof	100.0	100.0	100.1	111.1	99.9	90.0
Other base metals; cermets; articles thereof	100.0	100.0	111.6	100.0	89.6	100.0
Tools, implements, cutlery, spoons and forks, of base metal; parts thereof of base metal	119.4	100.0	101.8	107.8	117.3	92.7
Miscellaneous articles of base metal	107.9	126.1	102.3	116.7	105.6	108.0
Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof	97.1	102.1	101.4	105.3	95.8	97.0
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	106.0	117.5	103.3	109.9	102.6	106.8
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	88.9	102.3	100.0	97.7	88.8
Vehicles other than railway or tramway rolling stock, and parts and accessories thereof	112.5	106.1	101.2	107.2	111.1	99.0
Aircraft, spacecraft, and parts thereof	136.4	100.0	99.7	100.0	136.8	100.0
Ships, boats and floating structures	131.0	160.6	101.0	107.7	129.7	149.2
Optical, photographic, cinematographic, measuring, checking, precision, medical or surgical instruments and apparatus; parts and accessories thereof	112.2	85.7	99.9	101.5	112.4	84.4
Clocks and watches and parts thereof	82.7	100.0	100.6	88.6	82.2	112.8
Musical instruments; parts and accessories of such articles	108.1	79.5	96.9	91.6	111.6	86.8
Arms and ammunition; parts and accessories thereof	100.0	100.0	105.3	86.6	95.0	115.5
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	101.4	100.8	99.0	119.5	102.4	84.4
Toys, games and sports requisites; parts and accessories thereof	121.1	81.4	105.8	107.7	114.5	75.6
Miscellaneous manufactured articles	100.0	152.2	101.6	107.3	98.4	141.8
Works of art, collectors' pieces and antiques	180.6	100.0	62.7	100.0	288.1	100.0

## METHODOLOGICAL NOTES

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 Revenue and 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  $= (\sum p_1 \cdot q_0 / \sum p_0 \cdot q_0) \cdot 100$ ,
- Paasche index  $= (\sum p_1 \cdot q_1 / \sum p_0 \cdot q_1) \cdot 100$  i
- Fisher index  $= \sqrt{\text{Laspeyres} \cdot \text{Paasche}}$

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.

When using the data, state:

"Data source: Statistical Office - MONSTAT"

*More data, as well as detailed methodological notes can be found in the section: [Foreign trade](#)*