



## INDUSTRIAL PRODUCER PRICE INDEX, OCTOBER 2022

### Producer prices of industrial products (total)

In October 2022, producer prices of industrial products for total industry increased by 1.2% compared to September 2022. As compared to October 2021, they increased by 17.9%.

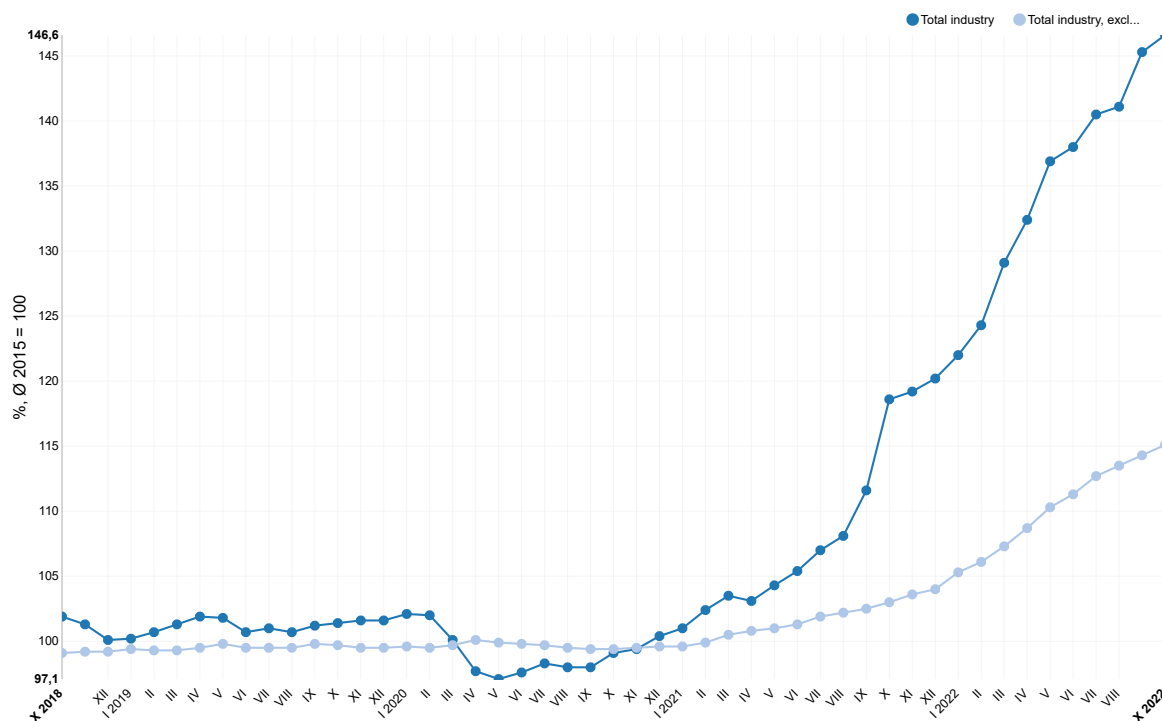
Comparison of producer prices of industrial products for total industry, excluding Energy, shows that in October 2022 they increased by 0.8% compared to September 2022 and by 10.6% compared to October 2021.

### Producer prices of industrial products on the domestic market (total)

In October 2022, producer prices of industrial products on the domestic market for total industry increased by 0.9% compared to September 2022 and by 23.6% compared to October 2021.

Comparison of producer prices of industrial products on the domestic market for total industry, excluding Energy, shows that in October 2022 they increased by 0.7% compared to September 2022 and by 11.8% compared to October 2021.

### G-1 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC MARKET, OCTOBER 2018 – OCTOBER 2022



### Producer prices of industrial products on the non-domestic market (total)

In October 2022, producer prices of industrial products on the non-domestic market for total industry increased by 1.5% compared to September 2022. As compared to October 2021, they increased by 11.0%.

Comparison of producer prices of industrial products on the non-domestic market for total industry, excluding Energy, shows that in October 2022 they increased by 0.9% compared to September 2022 and by 9.4% compared to October 2021.

### MIGs 2009. aggregates

#### Producer prices of industrial products (total)

In October 2022, as compared to September 2022, producer prices of industrial products increased in Energy by 2.4%, in Non-durable consumer goods by 1.1%, in Capital goods by 1.0% and in Intermediate goods by 0.5%, while they decreased in Durable consumer goods by 0.1%.

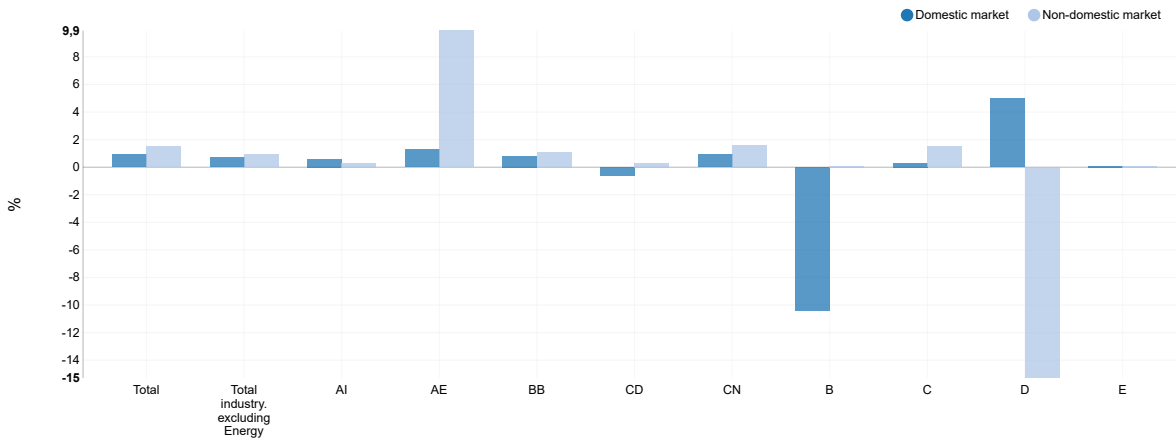
In October 2022, as compared to October 2021, producer prices of industrial products increased in Energy by 54.3%, in Intermediate goods by 12.0%, in Non-durable consumer goods by 10.7%, in Capital goods by 7.7% and in Durable consumer goods by 6.0%.

### Producer prices of industrial products on the domestic market

In October 2022, as compared to September 2022, producer prices of industrial products increased in Energy by 1.3%, in Non-durable consumer goods by 0.9%, in Capital goods by 0.8% and in Intermediate goods by 0.6%, while they decreased in Durable consumer goods by 0.6%.

In October 2022, as compared to October 2021, producer prices of industrial products increased in Energy by 56.2%, in Non-durable consumer goods by 13.5%, in Durable consumer goods by 12.5%, in Intermediate goods by 11.5% and in Capital goods by 6.3%.

### G-2 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, PRICE CHANGES COMPARED WITH PREVIOUS MONTH, OCTOBER 2022



### MIGs 2009.

AI Intermediate goods  
 AE Energy  
 BB Capital goods  
 CD Durable consumer goods  
 CN Non-durable consumer goods

### NKD 2007. sections

B Mining and quarrying  
 C Manufacturing  
 D Electricity, gas, steam and air conditioning supply  
 E Water supply; sewerage, waste management and remediation activities

### Producer prices of industrial products on the non-domestic market

In October 2022, as compared to September 2022, producer prices increased in Energy by 9.9%, in Non-durable consumer goods by 1.6%, in Capital goods by 1.1%, in Durable consumer goods by 0.3% and in Intermediate goods by 0.3%.

In October 2022, as compared to October 2021, producer prices increased in Energy by 49.6%, in Intermediate goods by 12.4%, in Capital goods by 8.7%, in Non-durable consumer goods by 6.7% and in Durable consumer goods by 2.3%.

### NKD 2007. industrial sections

#### Producer prices of industrial products (total)

In October 2022, as compared to September 2022, producer prices increased in Electricity, gas, steam and air conditioning supply by 5.0% and in Manufacturing by 0.9%, they decreased in Mining and quarrying by 10.2%, while they remained stable in Water supply; sewerage, waste management and remediation activities (only division 36).

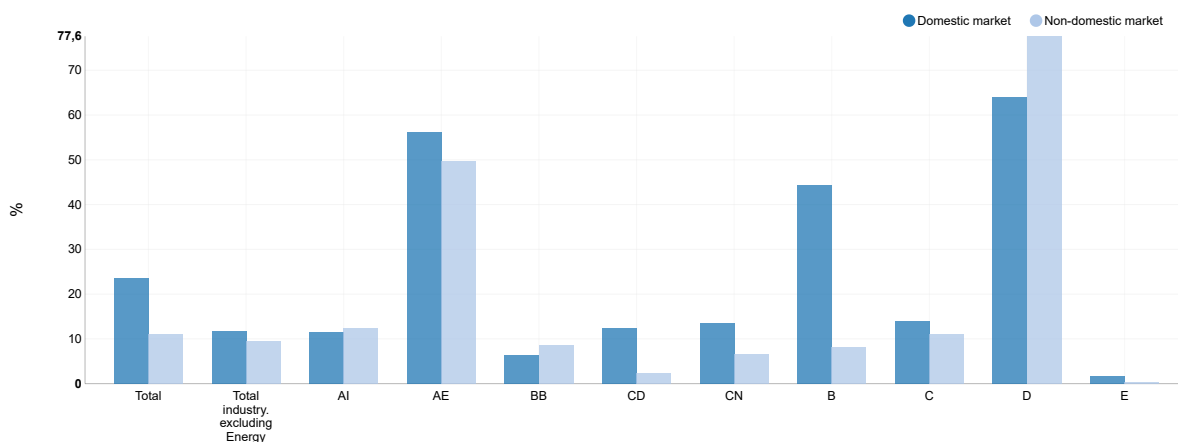
In October 2022, as compared to October 2021, producer prices increased in Electricity, gas, steam and air conditioning supply by 63.9%, in Mining and quarrying by 43.4%, in Manufacturing by 12.4% and in Water supply; sewerage, waste management and remediation activities (only division 36) by 1.6%.

### Producer prices of industrial products on the domestic market

In October 2022, as compared to September 2022, producer prices increased in Electricity, gas, steam and air conditioning supply by 5.0% and in Manufacturing by 0.3%, they decreased in Mining and quarrying by 10.4%, while they remained stable in Water supply; sewerage, waste management and remediation activities (only division 36).

In October 2022, as compared to October 2021, producer prices increased in Electricity, gas, steam and air conditioning supply by 63.9%, in Mining and quarrying by 44.4%, in Manufacturing by 13.9% and in Water supply; sewerage, waste management and remediation activities (only division 36) by 1.6%.

**G-3 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, PRICE CHANGES COMPARED WITH SAME MONTH OF PREVIOUS YEAR, OCTOBER 2022**



**MIGs 2009.**

- AI Intermediate goods
- AE Energy
- BB Capital goods
- CD Durable consumer goods
- CN Non-durable consumer goods

**NKD 2007. sections**

- B Mining and quarrying
- C Manufacturing
- D Electricity, gas, steam and air conditioning supply
- E Water supply; sewerage, waste management and remediation activities

**Producer prices of industrial products on the non-domestic market**

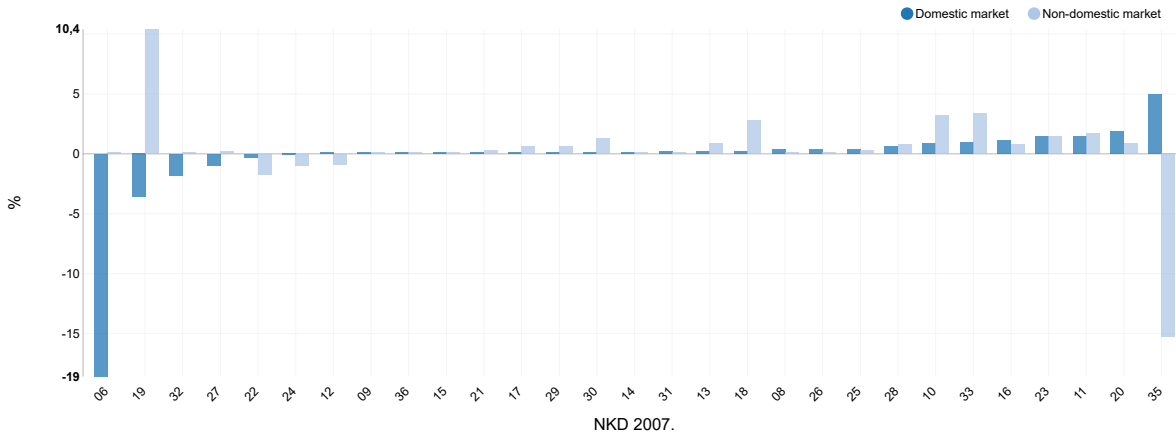
In October 2022, as compared to September 2022, producer prices increased in Manufacturing by 1.5%, they decreased in Electricity, gas, steam and air conditioning supply by 15.3%, while they remained stable in Mining and quarrying.

In October 2022, as compared to October 2021, producer prices increased in Electricity, gas, steam and air conditioning supply by 77.6%, in Manufacturing by 11.0% and in Mining and quarrying by 8.2%.

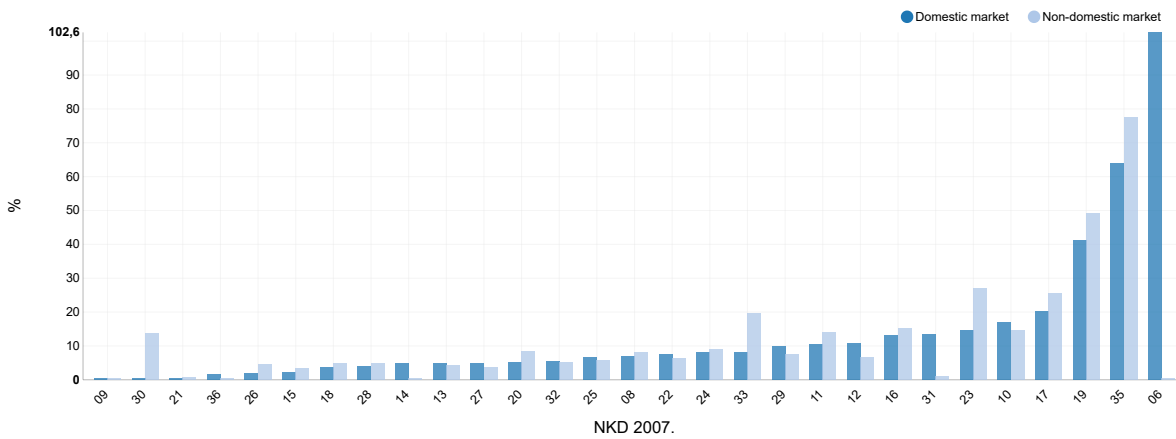
1 INDUSTRIAL PRODUCER PRICE INDICES ON DOMESTIC MARKET, NON-DOMESTIC MARKET AND TOTAL, ACCORDING TO MIGs 2009. AND NKD 2007. SECTIONS AND DIVISIONS, OCTOBER 2022

	Domestic market		Non-domestic market		Total	
	X 2022 IX 2022	X 2022 X 2021	X 2022 IX 2022	X 2022 X 2021	X 2022 IX 2022	X 2022 X 2021
Total industry	100,9	123,6	101,5	111,0	101,2	117,9
Total industry, excluding Energy	100,7	111,8	100,9	109,4	100,8	110,6
<b>According to MIGs 2009.</b>						
AI Intermediate goods	100,6	111,5	100,3	112,4	100,5	112,0
AE Energy	101,3	156,2	109,9	149,6	102,4	154,3
BB Capital goods	100,8	106,3	101,1	108,7	101,0	107,7
CD Durable consumer goods	99,4	112,5	100,3	102,3	99,9	106,0
CN Non-durable consumer goods	100,9	113,5	101,6	106,7	101,1	110,7
<b>According to NKD 2007. sections and divisions</b>						
B Mining and quarrying	89,6	144,4	100,0	108,2	89,8	143,4
06 Extraction of crude petroleum and natural gas	81,4	202,6	...	...	81,4	202,6
08 Other mining and quarrying	100,4	107,0	100,0	108,2	100,4	107,1
09 Mining support service activities	100,0	100,0	...	...	100,0	100,0
C Manufacturing	100,3	113,9	101,5	111,0	100,9	112,4
10 Manufacture of food products	100,9	117,1	103,2	114,6	101,4	116,5
11 Manufacture of beverages	101,5	110,4	101,7	114,1	101,6	111,1
12 Manufacture of tobacco products	100,0	110,9	99,1	106,6	99,8	109,9
13 Manufacture of textiles	100,2	104,8	100,9	104,3	100,7	104,4
14 Manufacture of wearing apparel	100,1	104,8	100,0	100,5	100,1	101,4
15 Manufacture of leather and related products	100,0	102,1	100,1	103,3	100,0	103,1
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	101,1	113,2	100,8	115,3	100,9	114,4
17 Manufacture of paper and paper products	100,0	120,2	100,6	125,5	100,3	123,0
18 Printing and reproduction of recorded media	100,2	103,8	102,8	104,9	101,3	104,3
19 Manufacture of coke and refined petroleum products	96,4	141,3	110,4	149,3	102,2	144,6
20 Manufacture of chemicals and chemical products	101,9	105,1	100,9	108,3	101,3	106,7
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	100,0	100,3	100,3	100,7	100,3	100,7
22 Manufacture of rubber and plastic products	99,7	107,4	98,3	106,4	98,9	106,9
23 Manufacture of other non-metallic mineral products	101,5	114,7	101,5	127,0	101,5	121,2
24 Manufacture of basic metals	99,9	108,0	99,0	109,0	99,2	108,8
25 Manufacture of fabricated metal products, except machinery and equipment	100,4	106,6	100,3	105,7	100,3	106,1
26 Manufacture of computer, electronic and optical products	100,4	102,0	100,0	104,7	100,2	103,8
27 Manufacture of electrical equipment	99,0	104,9	100,2	103,7	99,9	104,0
28 Manufacture of machinery and equipment n. e. c.	100,6	103,9	100,8	105,0	100,8	104,8
29 Manufacture of motor vehicles, trailers and semi-trailers	100,0	110,0	100,6	107,5	100,6	107,8
30 Manufacture of other transport equipment	100,0	100,0	101,3	113,7	101,2	112,4
31 Manufacture of furniture	100,2	113,5	100,1	100,9	100,1	105,7
32 Other manufacturing	98,2	105,6	100,0	105,3	98,9	105,5
33 Repair and installation of machinery and equipment	101,0	108,1	103,4	119,5	101,9	112,1
D Electricity, gas, steam and air conditioning supply	105,0	163,9	84,7	177,6	105,0	163,9
35 Electricity, gas, steam and air conditioning supply	105,0	163,9	84,7	177,6	105,0	163,9
E Water supply; sewerage, waste management and remediation activities	100,0	101,6	...	...	100,0	101,6
36 Water collection, treatment and supply	100,0	101,6	...	...	100,0	101,6

**G-4 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, ACCORDING TO NKD 2007. DIVISIONS, PRICE CHANGES COMPARED WITH PREVIOUS MONTH, OCTOBER 2022**



**G-5 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, ACCORDING TO NKD 2007. SECTIONS, PRICE CHANGES COMPARED WITH SAME MONTH OF PREVIOUS YEAR, OCTOBER 2022**



## NKD 2007. Divisions

- 06 Extraction of crude petroleum and natural gas
- 08 Other mining and quarrying
- 09 Mining support service activities
- 10 Manufacture of food products
- 11 Manufacture of beverages
- 12 Manufacture of tobacco products
- 13 Manufacture of textiles
- 14 Manufacture of wearing apparel
- 15 Manufacture of leather and related products
- 16 Manufacture of wood and of products of wood and cork, except furniture;  
manufacture of articles of straw and plaiting materials
- 17 Manufacture of paper and paper products
- 18 Printing and reproduction of recorded media
- 19 Manufacture of coke and refined petroleum products
- 20 Manufacture of chemicals and chemical products
- 21 Manufacture of basic pharmaceutical products and pharmaceutical preparations
- 22 Manufacture of rubber and plastic products
- 23 Manufacture of other non-metallic mineral products
- 24 Manufacture of basic metals
- 25 Manufacture of fabricated metal products, except machinery and equipment
- 26 Manufacture of computer, electronic and optical products
- 27 Manufacture of electrical equipment
- 28 Manufacture of machinery and equipment n. e. c.
- 29 Manufacture of motor vehicles, trailers and semi-trailers
- 30 Manufacture of other transport equipment
- 31 Manufacture of furniture
- 32 Other manufacturing
- 33 Repair and installation of machinery and equipment
- 35 Electricity, gas, steam and air conditioning supply
- 36 Water collection, treatment and supply

2 INDUSTRIAL PRODUCER PRICE INDICES ON DOMESTIC MARKET, ACCORDING TO MIGs 2009. AND TO NKD 2007.  
SECTIONS AND DIVISIONS, OCTOBER 2022

	2022						
	IV	V	VI	VII	VIII	IX	X
Total industry	132,4	136,9	138,0	140,5	141,1	145,3	146,6
Total industry, excluding Energy	108,7	110,3	111,3	112,7	113,5	114,3	115,1
<b>According to MIGs 2009.</b>							
AI Intermediate goods	115,7	117,0	117,5	118,6	118,9	119,6	120,3
AE Energy	197,1	212,6	213,6	219,9	219,7	237,1	240,1
BB Capital goods	105,4	106,0	106,5	107,1	108,2	108,1	108,9
CD Durable consumer goods	106,5	110,4	111,6	112,9	113,2	115,7	114,9
CN Non-durable consumer goods	106,1	108,1	109,6	111,4	112,4	113,4	114,4
<b>According to NKD 2007. sections and divisions</b>							
B Mining and quarrying	557,4	612,6	490,7	513,5	498,5	745,1	667,6
06 Extraction of crude petroleum and natural gas	1)	1)	912,8	1)	945,3	1)	1)
08 Other mining and quarrying	114,1	115,3	115,7	116,5	116,6	116,9	117,3
09 Mining support service activities	100,0	100,0	100,0	100,0	100,0	100,0	100,0
C Manufacturing	116,4	119,5	120,8	122,2	121,0	122,2	122,6
10 Manufacture of food products	108,3	110,5	112,3	114,9	116,0	117,2	118,2
11 Manufacture of beverages	105,7	109,2	109,2	110,1	110,7	110,9	112,6
12 Manufacture of tobacco products	133,4	133,4	133,4	133,4	147,9	147,9	147,9
13 Manufacture of textiles	103,7	104,0	105,2	106,2	106,3	106,6	106,9
14 Manufacture of wearing apparel	98,4	100,3	100,4	100,5	101,1	101,7	101,8
15 Manufacture of leather and related products	105,6	105,5	105,4	105,9	105,9	105,9	105,9
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	118,9	120,3	121,1	122,7	122,9	124,2	125,5
17 Manufacture of paper and paper products	120,4	122,5	124,2	127,3	127,6	129,7	129,7
18 Printing and reproduction of recorded media	103,0	103,3	104,6	104,7	104,6	105,6	105,8
19 Manufacture of coke and refined petroleum products	191,8	216,7	221,9	223,5	191,4	198,3	191,1
20 Manufacture of chemicals and chemical products	110,9	109,7	108,8	108,1	108,7	109,0	111,1
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	102,4	102,4	102,4	102,4	102,5	102,5	102,5
22 Manufacture of rubber and plastic products	109,2	111,1	112,1	112,4	112,1	112,0	111,7
23 Manufacture of other non-metallic mineral products	115,1	116,0	116,5	117,9	118,9	120,6	122,3
24 Manufacture of basic metals	121,0	121,0	121,0	122,8	122,7	123,2	123,1
25 Manufacture of fabricated metal products, except machinery and equipment	116,4	117,1	117,1	116,8	117,2	117,0	117,5
26 Manufacture of computer, electronic and optical products	95,7	95,7	95,5	95,8	95,6	95,8	96,2
27 Manufacture of electrical equipment	110,9	113,1	114,3	113,3	114,0	113,8	112,7
28 Manufacture of machinery and equipment n. e. c.	106,0	106,4	107,0	106,2	106,2	106,2	106,8
29 Manufacture of motor vehicles, trailers and semi-trailers	102,9	102,9	108,0	108,0	108,0	110,2	110,2
30 Manufacture of other transport equipment	93,5	93,5	93,5	93,5	93,5	93,5	93,5
31 Manufacture of furniture	108,0	112,2	113,5	114,9	114,9	116,6	116,8
32 Other manufacturing	103,5	103,7	104,4	104,8	105,3	107,0	105,1
33 Repair and installation of machinery and equipment	100,6	101,8	102,8	104,3	106,3	106,4	107,5
D Electricity, gas, steam and air conditioning supply	128,1	135,3	139,6	144,8	153,6	160,1	168,1
35 Electricity, gas, steam and air conditioning supply	128,1	135,3	139,6	144,8	153,6	160,1	168,1
E Water supply; sewerage, waste management and remediation activities	100,7	100,7	101,1	101,2	101,9	101,9	101,9
36 Water collection, treatment and supply	100,7	100,7	101,1	101,2	101,9	101,9	101,9

1) Index exceeds 999.





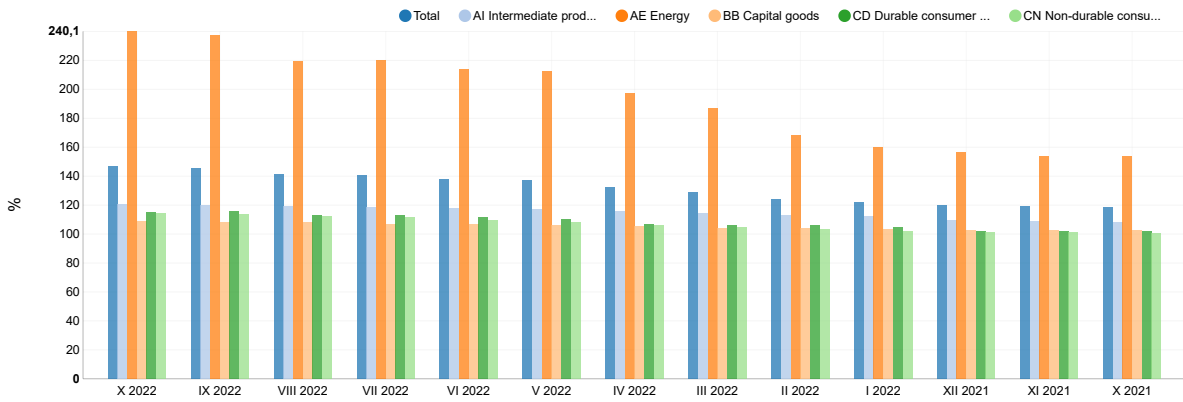
4 INDUSTRIAL PRODUCER PRICE INDICES, TOTAL AND ACCORDING TO MIGs 2009. AND TO NKD 2007. SECTIONS AND DIVISIONS, OCTOBER 2022

2015 = 100

	2022						
	IV	V	VI	VII	VIII	IX	X
Total industry	123,2	126,2	127,5	128,7	128,7	131,0	132,5
Total industry, excluding Energy	108,7	109,8	110,6	111,6	112,2	112,8	113,7
<b>According to MIGs 2009.</b>							
AI Intermediate goods	113,5	114,9	115,7	116,5	116,5	117,3	117,9
AE Energy	191,0	205,2	213,6	212,0	207,9	221,7	227,1
BB Capital goods	107,4	108,3	108,6	109,8	111,4	111,1	112,2
CD Durable consumer goods	104,0	106,4	107,1	108,1	107,9	106,9	106,8
CN Non-durable consumer goods	105,3	106,6	107,6	108,8	109,6	110,4	111,7
<b>According to NKD 2007. sections and divisions</b>							
B Mining and quarrying	542,8	595,1	480,1	501,7	487,5	721,0	647,7
06 Extraction of crude petroleum and natural gas	1)	1)	912,8	1)	945,3	1)	1)
08 Other mining and quarrying	113,5	114,6	115,7	116,5	116,6	116,3	116,7
09 Mining support service activities	100,0	100,0	100,0	100,0	100,0	100,0	100,0
C Manufacturing	115,0	117,2	118,7	119,3	118,3	119,0	120,1
10 Manufacture of food products	107,9	109,7	111,3	113,3	114,4	115,5	117,1
11 Manufacture of beverages	106,1	109,5	109,6	110,7	111,1	111,8	113,5
12 Manufacture of tobacco products	129,2	129,8	129,8	129,9	141,0	141,7	141,4
13 Manufacture of textiles	98,9	99,1	99,5	99,7	99,7	99,7	100,4
14 Manufacture of wearing apparel	97,5	97,9	97,8	97,8	97,9	98,1	98,1
15 Manufacture of leather and related products	103,4	103,2	102,5	103,0	103,6	103,6	103,6
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	116,1	117,5	118,6	119,9	120,7	121,8	122,9
17 Manufacture of paper and paper products	127,1	128,7	131,3	136,0	135,3	136,9	137,3
18 Printing and reproduction of recorded media	102,1	102,3	103,1	103,2	103,1	103,7	105,1
19 Manufacture of coke and refined petroleum products	188,1	206,4	219,7	212,6	184,0	186,9	191,1
20 Manufacture of chemicals and chemical products	110,4	110,5	109,9	110,0	110,0	110,0	111,5
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	106,8	106,8	106,9	106,8	106,8	106,9	107,2
22 Manufacture of rubber and plastic products	103,3	106,6	108,2	107,4	106,0	105,2	104,1
23 Manufacture of other non-metallic mineral products	118,5	119,9	121,0	121,9	123,0	126,5	128,3
24 Manufacture of basic metals	118,6	118,7	118,0	121,0	120,1	120,3	119,3
25 Manufacture of fabricated metal products, except machinery and equipment	114,5	115,2	115,5	115,5	115,7	115,3	115,7
26 Manufacture of computer, electronic and optical products	94,4	94,5	94,4	95,1	95,0	95,1	95,2
27 Manufacture of electrical equipment	106,9	108,4	108,8	108,4	108,3	108,4	108,3
28 Manufacture of machinery and equipment n. e. c.	107,4	107,0	107,5	107,9	108,0	108,2	109,0
29 Manufacture of motor vehicles, trailers and semi-trailers	105,3	105,3	106,8	107,7	107,7	108,1	108,7
30 Manufacture of other transport equipment	102,9	109,0	104,2	106,4	106,4	112,3	113,7
31 Manufacture of furniture	103,9	106,1	106,9	107,8	107,8	106,4	106,5
32 Other manufacturing	106,1	106,3	107,0	107,9	108,2	109,3	108,1
33 Repair and installation of machinery and equipment	106,4	108,3	109,4	112,6	117,8	116,4	118,6
D Electricity, gas, steam and air conditioning supply	128,1	135,3	139,6	144,8	153,6	160,1	168,1
35 Electricity, gas, steam and air conditioning supply	128,1	135,3	139,6	144,8	153,6	160,1	168,1
E Water supply; sewerage, waste management and remediation activities	100,7	100,7	101,1	101,2	101,9	101,9	101,9
36 Water collection, treatment and supply	100,7	100,7	101,1	101,2	101,9	101,9	101,9

1) Index exceeds 999.

**G-6 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC MARKET, TOTAL INDUSTRY AND ACCORDING TO MIGs 2009.**



**5 MONTHLY INDUSTRIAL PRODUCER PRICE INDICES ON DOMESTIC MARKET, TOTAL INDUSTRY**

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
<b>2015 = 100</b>												
2015	99,2	100,5	101,8	101,2	101,8	101,4	100,9	99,5	99,0	99,0	98,4	97,4
2016	96,4	95,7	96,7	95,3	95,4	96,5	95,9	94,6	96,0	97,0	95,8	97,5
2017	98,1	98,1	97,7	98,1	97,6	96,9	97,0	97,6	98,0	98,3	99,6	99,5
2018	99,6	99,1	99,0	99,5	100,3	100,2	100,9	101,0	101,4	101,9	101,3	100,1
2019	100,2	100,7	101,3	101,9	101,8	100,7	101,0	100,7	101,2	101,4	101,6	101,6
2020	102,1	102,0	100,1	97,7	97,1	97,6	98,3	98,0	98,0	99,1	99,4	100,4
2021	101,0	102,4	103,5	103,1	104,3	105,4	107,0	108,1	111,6	118,6	119,2	120,2
2022	122,0	124,3	129,1	132,4	136,9	138,0	140,5	141,1	145,3	146,6		
<b>Previous month = 100</b>												
2015	97,6	101,3	101,3	99,4	100,6	99,6	99,5	98,6	99,5	100,0	99,4	99,0
2016	99,0	99,3	101,0	98,6	100,1	101,2	99,4	98,6	101,5	101,0	98,8	101,8
2017	100,6	100,0	99,6	100,4	99,5	99,3	100,1	100,6	100,4	100,3	101,3	99,9
2018	100,1	99,5	99,9	100,5	100,8	99,9	100,7	100,1	100,4	100,5	99,4	98,9
2019	100,1	100,5	100,6	100,6	99,9	98,9	100,3	99,7	100,5	100,2	100,2	100,0
2020	100,5	99,9	98,1	97,6	99,4	100,5	100,7	99,7	100,0	101,1	100,3	101,0
2021	100,6	101,4	101,0	99,6	101,2	101,1	101,5	101,0	103,2	106,3	100,5	100,8
2022	101,5	101,9	103,9	102,6	103,4	100,8	101,8	100,5	103,0	100,9		
<b>Same month of previous year = 100</b>												
2016	97,2	95,2	95,0	94,2	93,7	95,2	95,0	95,1	97,0	98,0	97,4	100,1
2017	101,8	102,5	101,0	102,9	102,3	100,4	101,1	103,2	102,1	101,3	104,0	102,1
2018	101,5	101,0	101,2	101,4	102,9	103,4	104,0	103,4	103,4	103,6	101,6	100,5
2019	100,5	101,6	102,3	102,4	101,4	100,4	100,0	99,7	99,7	99,5	100,3	101,4
2020	101,8	101,3	98,8	95,8	95,3	96,9	97,3	97,3	96,8	97,6	97,7	98,8
2021	98,8	100,2	103,2	105,3	107,3	107,8	108,7	110,2	113,7	119,6	119,8	119,6
2022	120,7	121,3	124,7	128,4	131,2	130,8	131,2	130,5	130,2	123,6		

## 6 MONTHLY INDUSTRIAL PRODUCER PRICE INDICES ON NON-DOMESTIC MARKET, TOTAL INDUSTRY

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
<b>2015 = 100</b>												
2016	96,0	94,7	95,9	94,7	96,0	96,4	95,4	95,1	95,9	96,9	96,4	98,1
2017	98,8	98,4	97,3	98,4	97,2	96,5	96,4	96,8	97,5	97,8	99,3	99,1
2018	99,5	98,4	98,6	99,1	100,1	99,9	100,1	100,4	100,8	100,9	99,9	98,8
2019	99,3	99,3	100,6	101,6	101,5	100,1	100,5	100,0	100,0	100,3	99,8	99,3
2020	99,9	99,8	96,1	93,6	92,6	94,5	95,1	94,5	93,7	94,3	94,6	95,4
2021	96,6	97,9	99,9	99,5	100,1	100,6	101,7	102,2	103,2	106,1	106,5	106,3
2022	108,6	109,7	112,9	113,5	114,9	116,5	116,4	115,7	116,0	117,8		
<b>Previous month = 100</b>												
2016	98,2	98,6	101,3	98,7	101,4	100,4	99,0	99,7	100,8	101,0	99,5	101,8
2017	100,7	99,6	98,9	101,1	98,8	99,3	99,9	100,4	100,7	100,3	101,5	99,8
2018	100,4	98,9	100,2	100,5	101,0	99,8	100,2	100,3	100,4	100,1	99,0	98,9
2019	100,6	100,0	101,3	101,0	99,9	98,6	100,4	99,5	100,0	100,3	99,5	99,5
2020	100,6	99,9	96,3	97,4	98,9	102,0	100,6	99,3	99,2	100,7	100,3	100,8
2021	101,2	101,3	102,0	99,6	100,7	100,5	101,1	100,5	101,0	102,8	100,4	99,8
2022	102,2	101,0	102,9	100,5	101,3	101,4	99,9	99,4	100,3	101,5		
<b>Same month of previous year = 100</b>												
2017	102,9	103,9	101,5	103,9	101,3	100,1	101,0	101,8	101,7	100,9	103,0	101,0
2018	100,8	100,1	101,3	100,7	103,0	103,6	104,0	103,9	103,5	103,3	100,7	99,8
2019	100,0	101,1	102,2	102,7	101,5	100,3	100,5	99,7	99,3	99,5	100,0	100,6
2020	100,6	100,6	95,5	92,1	91,2	94,3	94,5	94,3	93,6	93,9	94,7	96,0
2021	96,6	97,9	103,8	106,2	108,1	106,5	106,9	108,2	110,1	112,5	112,6	111,4
2022	112,4	112,1	113,0	114,0	114,7	115,8	114,4	113,2	112,4	111,0		

## 7 MONTHLY TOTAL INDUSTRIAL PRODUCER PRICE INDICES, TOTAL INDUSTRY

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
<b>2015 = 100</b>												
2017	98,4	98,2	97,6	98,2	97,5	96,8	96,8	97,3	97,8	98,1	99,5	99,4
2018	99,6	98,8	98,8	99,3	100,2	100,0	100,5	100,7	101,1	101,4	100,6	99,5
2019	99,8	100,1	101,0	101,8	101,7	100,4	100,8	100,4	100,6	100,9	100,8	100,6
2020	101,2	101,1	98,4	95,9	95,1	96,2	96,8	96,3	95,9	96,8	97,1	98,0
2021	98,8	100,1	101,6	101,2	102,2	103,0	104,3	105,1	107,4	112,5	113,0	113,5
2022	115,5	117,2	121,2	123,2	126,2	127,5	128,7	128,7	131,0	132,5		
<b>Previous month = 100</b>												
2017	100,7	99,8	99,4	100,6	99,2	99,3	100,0	100,6	100,5	100,3	101,4	99,9
2018	100,2	99,2	100,0	100,5	100,9	99,9	100,5	100,2	100,4	100,3	99,2	98,9
2019	100,3	100,3	100,9	100,8	99,9	98,8	100,4	99,6	100,2	100,3	99,9	99,8
2020	100,6	99,9	97,3	97,5	99,2	101,2	100,7	99,5	99,6	100,9	100,3	101,0
2021	100,9	101,4	101,5	99,6	100,9	100,8	101,3	100,8	102,2	104,8	100,5	100,4
2022	101,8	101,5	103,4	101,7	102,5	101,0	101,0	100,0	101,8	101,2		
<b>Same month of previous year = 100</b>												
2017	102,2	102,9	101,3	103,3	101,8	100,2	100,9	102,6	102,0	101,1	103,7	101,7
2018	101,2	100,6	101,3	101,1	102,9	103,5	104,0	103,6	103,4	103,4	101,2	100,2
2019	100,3	101,4	102,3	102,5	101,5	100,4	100,3	99,7	99,6	99,5	100,1	101,0
2020	101,3	100,9	97,3	94,1	93,4	95,8	96,0	95,9	95,4	96,0	96,4	97,5
2021	97,8	99,2	103,5	105,8	107,6	107,2	107,9	109,3	112,1	116,4	116,6	116,0
2022	117,1	117,2	119,5	121,9	123,7	124,0	123,6	122,6	122,1	117,9		

## 8 AVERAGE ANNUAL INDUSTRIAL PRODUCER PRICE INDICES, TOTAL, ON DOMESTIC AND NON-DOMESTIC MARKET

	Total		Domestic market		Non-domestic market	
	Previous year = 100	2015 = 100	Previous year = 100	2015 = 100	Previous year = 100	2015 = 100
2012	105,4	106,8	107,0	106,4	102,5	107,2
2013	99,8	106,6	100,5	106,9	98,6	105,8
2014	97,5	103,9	97,3	104,0	97,9	103,5
2015	96,3	100,0	96,1	100,0	96,6	100,0
2016	96,0	95,7	96,0	96,1	95,9	96,0
2017	102,0	97,5	102,1	98,0	101,9	97,8
2018	102,1	100,0	102,4	100,4	102,0	99,7
2019	100,7	100,7	100,8	101,2	100,6	100,2
2020	96,7	97,4	98,0	99,2	95,1	95,3
2021	108,3	105,2	109,5	108,7	106,7	101,7

### NOTES ON METHODOLOGY

#### Introduction

Industrial producer price indices on the domestic, non-domestic and total market are presented on an interannual chain and on a month-on-month basis as well as on the fixed base year 2015 = 100 due to the harmonisation with the Regulation (EU) No. 2019/2152 of the European Parliament and of the Council of 27 November 2019 on European business statistics, repealing 10 legal acts in the field of business statistics.

**Concepts, definitions and terminology** are completely harmonised in this First Release with those used and regulated by the EU. Therefore, the term "industrial producers' price index" has been changed to "industrial producer price index".

According to the EU terminology, the term "industrial producer price index" is also known as the "industrial output index" and the term "industrial producer prices" should be considered its synonym. If not specified, the term "industrial producer price index" denotes the "total industrial producer price index" (on the domestic and the non-domestic market).

#### The concept of industrial producer prices and their purpose

**Total industrial producer price index** is composed of two sub-indices, that is, the industrial producer price index on the domestic market and the industrial producer price index on the non-domestic market. The combination of sub-indices for these two markets provides the changes in given products/services, while their aggregation provides the divisions of products and activities.

**Industrial producer price index** measures the changes of producer prices of manufactured goods produced in the Republic of Croatia and sold by producers on the domestic (Croatian) and/or the non-domestic (non-Croatian) market.

**Industrial producer price index on the domestic market** measures the changes of producer prices of manufactured goods that are produced and sold by producers on the domestic (Croatian) market.

**Industrial producer price index on the non-domestic market** measures the changes of producer prices of manufactured goods that are sold by producers on foreign (non-Croatian) market.

The industrial producer price index is an important short-term indicator of the business cycle that shows monthly price changes in the total industrial sector (the NKD 2007, sections B, C, D and E – only division 36) on the domestic and the non-domestic market. According to the EU concept, it is an important business indicator that permits monthly monitoring of prices at different stages of the manufacturing process. It is also used for distinguishing effective growth of an activity due to price changes and provides information to the business community on particular markets of their interest. It can also indicate inflationary changes before they reach consumers.

#### Presentation of the industrial producer price index

In this First Release, all indices are presented in gross (unadjusted) form. They were calculated on the basis of data collected through the revised Monthly Survey on Industrial Producer Prices (IND-3/KPS/M form) for 2022.

#### Legal and methodological framework

The Monthly Survey on Industrial Producer Prices (IND-3/KPS/M form) in 2022 is carried out directly by the Croatian Bureau of Statistics on the basis of the Official Statistics Act (NN, No. 25/20). The internet application (CAWI method) is used in data collection. The reporting units directly access this application and enter their data on the basis of the instructions given.

The concepts and definitions used in the IND-3/KPS/M Survey are harmonised with the EU concepts and definitions, especially with the Regulation (EU) No. 2019/2152 of the European Parliament and of the Council and the Commission Regulation (EU) No. 2020/1197.

#### Scope and coverage

The reporting units included in the IND-3/KPS/M Survey are selected enterprises (legal entities and tradesmen) that produce selected products as defined in the Nomenclature of Industrial Products – NIP 2020., classified in the NKD 2007. (NN, Nos 58/07 and 72/07) activity sections B Mining and quarrying, C Manufacturing, D Electricity, gas, steam and air conditioning supply and E Water supply; sewerage, waste management and remediation activities (only division 36).

In order to collect data on industrial producer prices on the domestic and the non-domestic market, the IND-3/KPS/M Survey for 2022 covers a representative sample of industrial products at the level of covered activity classes of the NKD 2007., that is, all products **exceeding 20 million kuna on the domestic market and 15 million kuna on the non-domestic market** according to the results of the PRODCOM Survey on Industrial Production (IND-21/PRODCOM/G form) for 2020, while the selection of enterprises has been done according to their share in the production of selected products, separately for the domestic and the non-domestic market.

For monitoring the **industrial producer prices on the domestic market**, the sample for the IND-3/KPS/M Survey for 2022 covers 2 021 item prices within the selected NIP 2020. products in 1 191 enterprises (legal entities and tradesmen), while for monitoring **industrial producer prices on the non-domestic market**, it covers 1 198 item prices within the selected NIP 2020. products in 712 enterprises (legal entities and tradesmen). In October 2022, the response rate was 97.6%, while the estimation rate of non-responded questionnaires was 2.4%.

#### Reference point

All industrial producer prices are recorded as transaction prices in effect on the 15th day of the month indicated. The prices at which a producer sells products at the domestic and/or the non-domestic market in the largest quantities to known buyer are recorded.

Completed IND-3/KPS/M forms are delivered directly on the website of the Croatian Bureau of Statistics in the period from 16th to 26th of the current reporting month (<https://podaci.dzs.hr/>).

## Definitions

Producer price indices on the domestic and the non-domestic market require a separate compilation according to the destination of a product in order to obtain the producer price indices on the domestic and the non-domestic market.

The residency of the third party that has ordered or purchased the product determines the destination. The domestic market is defined when both the third party/buyer and the reporting unit are residents of the Republic of Croatia, while the non-domestic market is defined when the third party/buyer is not a resident of the Republic of Croatia.

**Industrial producer prices on the domestic market** are either the prices at which a producer sells products on the domestic market in the largest quantities, loaded free on a rail (truck) at a factory gate at the location of the producer or the price charged to another company by the producer. The selling price is increased for the amount of the compensation obtained by the seller and deducted for the amount of the discount and rebate as well as the value added tax and excises.

**Industrial producer prices on the non-domestic market** are prices at which a producer sells products on the domestic market (outside Croatia) in the largest quantities at the national border, FOB (free on board). The selling price is increased for the amount of the compensation obtained by the seller and deducted for the amount of the discount and rebate as well as the value added tax and excises. The reporting units present prices in the national currency – kuna and lipa. The prices expressed in a foreign currency are converted into the national currency on the basis of the mean exchange rate of the Croatian National Bank on the 15th day of the reference month.

## Calculation method

Total industrial producer price index is composed of two subindices, that is, the industrial producer price index on the domestic market and the industrial producer price index on the non-domestic market.

Industrial producer price indices on the domestic market and the non-domestic market are calculated according to the Laspeyres formula for different levels of the NKD 2007.

Individual indices for each representative product are calculated from data on prices by dividing prices of the current period by prices of the base period (December of the previous year).

Aggregate indices, that is, indices of groups, divisions and sections of the NKD 2007, as well as the total industry index are calculated by a weighted arithmetic mean from individual indices according to the modified Laspeyres formula:

$$I = \frac{\sum \frac{P_n}{P_o} \times W_o}{\sum W_o} \times 100$$

Whereby:

I is an index of a group, division, section, subsection and the total index

Pn is a price in the current period (month)

Po is a price in the base period

Wo is the relative sale structure in the base period.

## Weights

The weighting system for 2022 reference year is based on the value of products sold from the PRODCOM Survey on Industrial Production (IND-21/PRODCOM/G form) for 2020. The weighting system is changed at the beginning of every reference year in relation to changes in prices.

## Data publishing

The total industrial producer price indices, both on the domestic and the non-domestic market, are published for the total industry according to the NKD 2007, sections and divisions and according to MIGs 2009, aggregates (end use of products) grouped by the NKD 2007, activity groups and divisions. The grouping of the NKD 2007, activity groups or divisions according to the MIGs 2009.<sup>1)</sup>, using alphabetic marks of abbreviations, was done as follows:

AI	Intermediate goods: the NKD 2007, divisions and groups: 07 (excl. 07.21) – 09, 10.6, 10.9, 13.1 – 13.3, 16, 17, 20.1 – 20.3, 20.5, 20.6, 22 – 24 (excl. 24.46), 25.5 – 25.7, 25.9, 26.1, 26.8, 27.1 – 27.4 and 27.9
AE	Energy: the NKD 2007, divisions: 05, 06, 19, 35 and 36
BB	Capital goods: the NKD 2007, divisions and groups: 25.1 – 25.3, 26.2, 26.3, 26.5, 26.6, 28, 29, 30.2, 32.5 and 33
CD	Durable consumer goods: the NKD 2007, divisions and groups: 26.4, 26.7, 27.5, 30.9, 31, 32.1 and 32.2
CN	Non-durable consumer goods: the NKD 2007, divisions and groups: 10.1 – 10.5, 10.7, 10.8, 11, 12, 13.9, 14, 15, 18, 20.4, 21, 32.3, 32.4 and 32.9.

1) The Commission Regulation (EU) No. 2020/1197 of 30 July 2020 laying down technical specifications and arrangements pursuant to Regulation (EU) 2019/2152 of the European Parliament and of the Council as regards the definitions of Main Industrial Groupings (MIGs).



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## Abbreviations

CAWI	computer-assisted web interview
EU	European Union
excl.	excluding
MIGs 2009.	Main Industrial Groupings, 2009 version
NKD 2007.	National Classification of Activities, 2007 version
NN	Narodne novine, official gazette of the Republic of Croatia
n. e. c.	not elsewhere classified
PRODCOM	PRODUcts of the European COMMunity

## Symbols

... data not available

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