

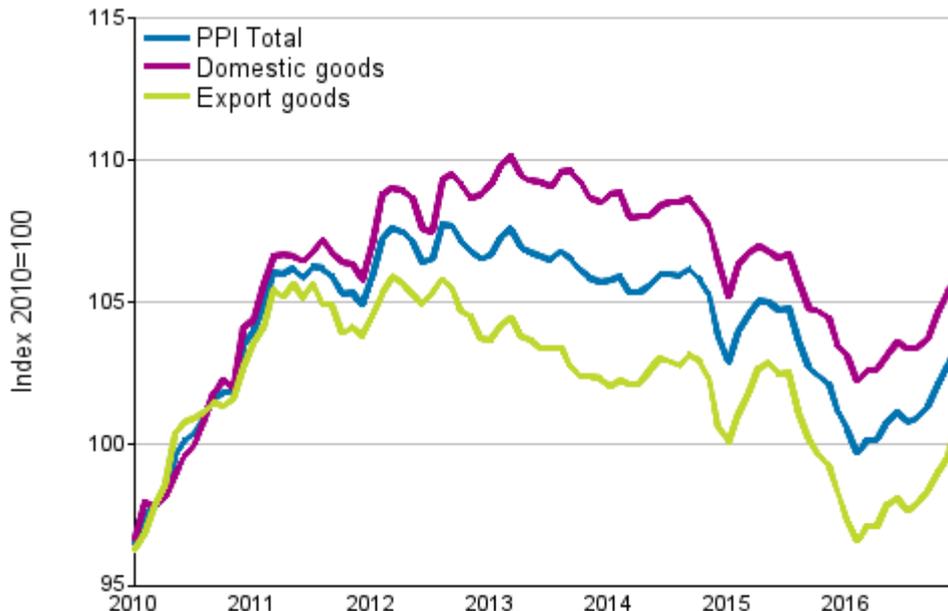
# Producer Price Indices

2016, December

## Producer prices for manufactured products grew by 2.4 per cent from December last year

According to Statistics Finland, producer prices for manufactured products rose by an average of 2.4 per cent from December 2015 to December 2016. Producer prices for manufactured products sold on the domestic market rose by 2.3 per cent, while the producer prices of export products went up by 2.6 per cent.

**Producer Price Index (PPI) 2010=100, 1/2010–12/2016**



The rise in the producer prices for manufactured products was particularly caused by increased prices of oil products and manufacturing of basic metals from December 2015. The rising of the prices was curbed particularly by falls in the prices of paper and paper products, and electronic appliances.

The Export Price Index rose by 2.6 per cent and the Import Price Index by 7.5 per cent in the year. The Basic Price Index for Domestic Supply went up by 3.9 per cent. The Basic Price Index for Domestic Supply including taxes went up by 3.8 per cent.

Export prices were boosted especially by higher prices of oil products and manufacturing of basic metals from the previous year's December. The rising of the prices was curbed above all by falls in the prices of electronic appliances. The rise in import prices was especially caused by higher prices of metal ores and oil products compared with last year's December. The rising of the prices was curbed above all by falls in the prices of food.

From November to December, producer prices for manufactured products went up by 0.8 per cent. The rise was mainly due to increased prices of oil products from the previous month.

#### **Producer Price Indices 2010=100, December 2016**

	Index	Monthly change, %	Annual change, %
Producer Price Index, total	103.6	0.8	2.4
- Producer Price Index, domestic goods	105.9	0.5	2.3
- Producer Price Index, export goods	100.9	1.3	2.6
Export Price Index	100.9	1.3	2.6
Import Price Index	102.5	3.0	7.5
Basic Price Index for Domestic Supply	106.4	1.1	3.9
Basic Price Index for Domestic Supply, incl. taxes	109.7	1.0	3.8

#### **Producer Price Indices 1949=100, December 2016**

	Index	Monthly change, %	Annual change, %
Production Price Index	1910	0.8	2.4
Export Price Index	1647	1.3	2.6
Import Price Index	1529	3.0	7.5
Wholesale Price Index	2206	1.0	3.8

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# Appendix tables

**Appendix table 1. Producer Price Indices 2010=100, index numbers and year-on-year changes, December 2016**

Year and month		Producer Price Index		Basic Price Index for Domestic Supply		Export Price Index		Import Price Index		Basic Price Index for Domestic Supply, incl. taxes	
		Index	%/year	Index	%/year	Index	%/year	Index	%/year	Index	%/year
2010	1-12	100.0	5.2	100.0	4.2	100.0	4.4	100.0	6.0	100.0	4.3
2011	1-12	105.6	5.6	106.4	6.4	104.9	4.9	108.3	8.3	107.5	7.5
2012	1-12	107.0	1.4	109.7	3.1	105.3	0.4	111.4	2.8	111.0	3.3
2013	1-12	106.6	-0.4	109.9	0.2	103.6	-1.6	108.9	-2.2	112.2	1.1
2014	1-12	105.6	-1.0	108.4	-1.3	102.5	-1.1	106.5	-2.1	111.0	-1.1
2015	1-12	103.6	-1.9	104.9	-3.2	101.1	-1.3	100.1	-6.0	108.0	-2.7
	1	102.9	-2.7	104.6	-4.0	100.2	-2.0	99.6	-7.1	107.6	-3.6
	2	104.0	-1.8	105.7	-3.0	101.2	-1.2	101.5	-5.3	108.8	-2.5
	3	104.5	-0.8	106.0	-2.2	102.0	-0.2	101.9	-4.2	109.1	-1.8
	4	105.1	-0.3	106.5	-1.9	102.9	0.6	103.0	-3.6	109.5	-1.4
	5	105.0	-0.6	106.6	-2.0	103.0	0.3	103.3	-4.1	109.5	-1.7
	6	104.7	-1.2	106.0	-2.8	102.6	-0.4	102.2	-5.7	108.9	-2.5
	7	104.8	-1.1	105.8	-3.0	102.6	-0.3	101.5	-6.0	108.7	-2.7
	8	103.7	-2.2	104.5	-4.0	101.2	-1.5	99.0	-7.9	107.5	-3.6
	9	102.7	-3.2	104.0	-4.5	100.3	-2.8	98.5	-8.1	107.0	-4.0
	10	102.4	-3.2	103.7	-4.1	99.8	-3.1	98.2	-7.3	106.9	-3.4
	11	102.1	-3.0	103.5	-3.6	99.4	-2.9	97.7	-6.6	106.8	-2.9
12	101.2	-2.6	102.4	-3.3	98.4	-2.3	95.4	-6.2	105.7	-2.7	
2016	1-12	101.2	-2.3	103.3	-1.6	98.2	-2.9	96.6	-3.6	106.7	-1.2
	1	100.5	-2.3	101.9	-2.6	97.4	-2.8	93.9	-5.7	105.5	-1.9
	2	99.7	-4.1	101.3	-4.2	96.7	-4.5	93.1	-8.2	104.8	-3.7
	3	100.2	-4.2	101.9	-3.8	97.2	-4.7	94.3	-7.5	105.5	-3.3
	4	100.2	-4.7	101.9	-4.3	97.2	-5.5	94.5	-8.3	105.4	-3.8
	5	100.8	-4.0	102.7	-3.6	98.0	-4.9	95.8	-7.2	106.2	-3.0
	6	101.1	-3.4	103.3	-2.6	98.2	-4.3	96.7	-5.4	106.8	-1.9
	7	100.8	-3.8	103.2	-2.4	97.7	-4.8	96.4	-5.0	106.7	-1.8
	8	100.9	-2.6	103.3	-1.2	98.0	-3.2	96.3	-2.7	106.7	-0.7
	9	101.3	-1.4	103.7	-0.3	98.4	-1.9	97.0	-1.5	107.1	0.1
	10	102.1	-0.3	104.6	0.8	99.0	-0.7	98.7	0.5	108.0	1.0
	11	102.8	0.6	105.2	1.6	99.6	0.2	99.5	1.9	108.5	1.6
12	103.6	2.4	106.4	3.9	100.9	2.6	102.5	7.5	109.7	3.8	

**Appendix table 2. Producer Price Indices 1949=100, December 2016**

Year and month		Production Price Index, index	Export Price Index, index	Import Price Index, index	Wholesale Price Index, index
2000	1-12	1666	1686	1335	1701
2001	1-12	1674	1668	1298	1706
2002	1-12	1644	1617	1263	1693
2003	1-12	1626	1562	1258	1695
2004	1-12	1631	1570	1303	1711
2005	1-12	1664	1599	1389	1768
2006	1-12	1745	1665	1494	1872
2007	1-12	1795	1706	1529	1938
2008	1-12	1862	1724	1582	2027
2009	1-12	1756	1566	1401	1893
2010	1-12	1843	1633	1495	2000
2011	1-12	1944	1714	1616	2169
2012	1-12	1973	1719	1662	2234
2013	1-12	1966	1691	1625	2258
2014	1-12	1947	1673	1590	2234
2015	1-12	1910	1651	1495	2172
2016	1-12	1865	1603	1441	2147
	1	1853	1590	1401	2122
	2	1838	1578	1389	2108
	3	1846	1587	1407	2121
	4	1846	1587	1410	2120
	5	1858	1599	1430	2137
	6	1864	1602	1443	2148
	7	1858	1595	1439	2147
	8	1861	1599	1437	2147
	9	1867	1606	1448	2154
	10	1882	1617	1473	2172
	11	1894	1626	1486	2183
12	1910	1647	1529	2206	

**Appendix table 3. Producer Price Index 2010=100 (NACE-TOL 2008), December 2016**

Commodity groups according to NACE-TOL 2008	Domestic goods	Export goods	Total	Monthly change, %	Annual change, %
B-E Total Index	105.9	100.9	103.6	0.8	2.4
B Mining and quarrying	110.0	104.4	109.6	0.8	3.5
C Manufacturing	105.6	101.0	103.3	1.1	1.9
C10 Manufacture of food products	110.6	109.7	110.5	0.2	-0.3
C11 Manufacture of beverages	116.9	98.1	114.2	0.0	0.7
C13 Manufacture of textiles	101.0	102.1	101.5	-0.1	-0.1
C14 Manufacture of wearing apparel	121.2	111.7	115.0	0.2	2.6
C16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles	103.6	102.8	103.3	-0.5	0.6
C17 Manufacture of paper and paper products	96.8	104.5	102.0	0.6	-2.2
C171 Manufacture of pulp, paper and paperboard	94.7	104.5	101.5	0.7	-2.5
C172 Manufacture of articles of paper and paperboard	107.8	105.2	107.0	-0.4	1.1
C18 Printing and reproduction of recorded media			97.0	-0.1	-3.2
C20 Manufacture of chemicals and chemical products	105.4	102.0	103.6	0.0	-0.8
C22 Manufacture of rubber and plastic products	110.9	104.0	108.0	0.0	-1.3
C23 Manufacture of other non-metallic mineral products	112.0	109.2	111.3	-0.1	0.4
C24 Manufacture of basic metals	97.7	91.0	93.2	2.5	11.3
C25 Manufacture of fabricated metal products, except machinery and equipment	112.5	118.3	113.5	0.2	-0.5
C26 Manufacture of computer, electronic and optical products	96.4	87.2	88.4	0.0	-3.7
C265 Manufacture of instruments and appliances for measuring, testing and navigation; watches and			103.8	-0.1	2.7
C27 Manufacture of electrical equipment	109.8	102.7	104.5	-1.0	-0.7
C28 Manufacture of machinery and equipment n.e.c.	103.7	109.0	107.3	0.0	0.5
C29 Manufacture of motor vehicles, trailers and semi-trailers	102.5	106.8	105.8	-0.3	-0.6
C31 Manufacture of furniture	111.8	109.0	111.4	0.0	1.2
D35 Electricity, gas, steam and air conditioning supply			105.5	-2.5	6.6
E36 Water collection, treatment and supply			122.7	0.0	1.3

**Appendix table 4. Producer Price Index 2010=100 (MIG), December 2016**

Main Industrial Groupings (MIG)	Domestic goods	Export goods	Total	Monthly change, %	Annual change, %
Intermediate goods	105.1	101.4	103.2	0.4	0.9
Capital goods	110.1	101.6	105.1	0.0	0.0
Durable consumer goods	113.0	107.8	111.7	0.1	0.9
Non-durable consumer goods	109.1	99.3	106.8	0.1	0.2
Energy	101.9				

**Appendix table 5. Export Price Index 2010=100 (NACE-TOL 2008), December 2016**

Commodity groups according to NACE-TOL 2008	Index	Monthly change, %	Annual change, %
A-E Total Index	100.9	1.3	2.6
A Agriculture, Forestry and fishing	110.0	5.3	0.0
B Mining and quarrying	104.4	0.3	2.6
C Manufacturing	101.0	1.3	2.5
C10 Manufacture of food products	109.7	-1.4	0.0
C11 Manufacture of beverages	98.1	0.4	-4.2
C13 Manufacture of textiles	102.1	0.0	-2.8
C14 Manufacture of wearing apparel	111.7	0.4	1.8
C16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles	102.8	-0.8	-1.0
C17 Manufacture of paper and paper products	104.5	-0.1	-1.5
C171 Manufacture of pulp, paper and paperboard	104.5	-0.1	-1.6
C172 Manufacture of articles of paper and paperboard	105.2	0.1	2.0
C20 Manufacture of chemicals and chemical products	102.0	1.1	1.3
C22 Manufacture of rubber and plastic products	104.0	0.4	-1.1
C23 Manufacture of other non-metallic mineral products	109.2	0.0	-0.6
C24 Manufacture of basic metals	91.0	3.0	13.1
C25 Manufacture of fabricated metal products, except machinery and equipment	118.3	0.3	-0.5
C26 Manufacture of computer, electronic and optical products	87.2	0.0	-4.4
C27 Manufacture of electrical equipment	102.7	-1.3	-0.7
C28 Manufacture of machinery and equipment n.e.c.	109.0	-0.1	0.3
C29 Manufacture of motor vehicles, trailers and semi-trailers	106.8	0.1	-0.4
C31 Manufacture of furniture	109.0	0.0	0.6

**Appendix table 6. Export Price Index 2010=100 (MIG), December 2016**

Main Industrial Groupings (MIG)	Index	Monthly change, %	Annual change, %
Intermediate goods	101.4	0.5	1.9
Capital goods	101.6	0.0	-0.7
Durable consumer goods	107.8	0.1	-1.4
Non-durable consumer goods	99.3	-0.5	-0.4

**Appendix table 7. Import Price Index 2010=100 (NACE-TOL 2008), December 2016**

Commodity groups according to NACE-TOL 2008	Index	Monthly change, %	Annual change, %
A-E Total Index	102.5	3.0	7.5
A Agriculture, Forestry and fishing	104.2	1.8	1.8
B Mining and quarrying	93.1	14.0	34.2
C Manufacturing	103.7	0.9	1.7
C10 Manufacture of food products	114.4	-0.2	-2.9
C11 Manufacture of beverages	108.1	0.0	-1.3
C13 Manufacture of textiles	106.4	0.2	-0.6
C14 Manufacture of wearing apparel	117.5	0.4	0.5
C16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles	105.5	3.5	1.0
C17 Manufacture of paper and paper products	100.7	-1.3	0.3
C171 Manufacture of pulp, paper and paperboard	99.2	-1.9	0.5
C172 Manufacture of articles of paper and paperboard	104.1	-0.1	-0.1
C19 Manufacture of coke and refined petroleum products	88.6	10.6	24.6
C192 Manufacture of refined petroleum products	88.3	11.1	25.8
C20 Manufacture of chemicals and chemical products	102.5	1.6	-0.5
C21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	104.3	0.0	1.1
C22 Manufacture of rubber and plastic products	114.9	-0.5	-0.3
C23 Manufacture of other non-metallic mineral products	108.1	0.4	-1.3
C24 Manufacture of basic metals	85.2	0.4	6.8
C241 Manufacture of basic iron and steel and of ferro-alloys	87.8	0.1	4.5
C244 Manufacture of basic precious and other non-ferrous metals	75.6	-0.1	11.8
C25 Manufacture of fabricated metal products, except machinery and equipment	109.5	0.9	1.2
C26 Manufacture of computer, electronic and optical products	98.6	0.3	0.6
C27 Manufacture of electrical equipment	106.8	0.4	-0.2
C28 Manufacture of machinery and equipment n.e.c.	107.4	0.1	0.5
C29 Manufacture of motor vehicles, trailers and semi-trailers	104.4	0.1	0.3
C30 Manufacture of other transport equipment	127.6	1.6	3.8
C31 Manufacture of furniture	112.4	0.7	0.7

**Appendix table 8. Import Price Index 2010=100 (MIG), December 2016**

Main Industrial Groupings (MIG)	Index	Monthly change, %	Annual change, %
Intermediate goods	102.7	1.8	3.6
Capital goods	105.4	0.2	1.1
Durable consumer goods	100.1	0.3	-0.6
Non-durable consumer goods	111.5	0.0	-0.3
Energy	87.2	12.2	33.1

**Appendix table 9. Basic Price Index for Domestic Supply 2010=100 (NACE-TOL 2008), December 2016**

Commodity groups according to NACE-TOL 2008	Domestic goods	Import goods	Total	Monthly change, %	Annual change, %
A-F Total Index	108.3	102.5	106.4	1.1	3.9
A Agriculture, Forestry and fishing	104.1	104.1	104.1	-1.0	-0.5
B Mining and quarrying	110.0	93.1	96.0	11.2	26.9
C Manufacturing	105.6	103.7	104.8	0.9	1.5
C10 Manufacture of food products	110.6	114.3	111.5	0.3	-1.0
C11 Manufacture of beverages	116.9	108.1	114.5	0.0	0.8
C13 Manufacture of textiles	101.0	106.1	104.3	0.1	0.5
C14 Manufacture of wearing apparel	121.2	117.3	117.6	0.3	0.7
C16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles	103.6	105.8	103.9	0.2	1.5
C17 Manufacture of paper and paper products	96.8	100.7	97.5	1.4	-3.0
C171 Manufacture of pulp, paper and paperboard	94.7	99.2	95.3	2.0	-3.9
C172 Manufacture of articles of paper and paperboard	107.8	104.1	106.8	-0.5	0.5
C18 Printing and reproduction of recorded media			99.9	-0.1	-0.8
C20 Manufacture of chemicals and chemical products	105.4	102.5	103.9	0.3	-1.6
C22 Manufacture of rubber and plastic products	110.9	115.3	112.9	-0.4	-0.8
C23 Manufacture of other non-metallic mineral products	112.0	108.2	111.0	0.0	0.3
C24 Manufacture of basic metals	97.7	85.3	91.3	1.0	7.5
C25 Manufacture of fabricated metal products, except machinery and equipment	112.5	109.7	112.0	0.3	-0.2
C26 Manufacture of computer, electronic and optical products	96.4	98.5	98.3	0.3	0.5
C27 Manufacture of electrical equipment	109.8	106.9	107.8	0.2	-0.4
C28 Manufacture of machinery and equipment n.e.c.	103.7	107.4	105.8	0.2	0.7
C29 Manufacture of motor vehicles, trailers and semi-trailers	102.5	104.3	104.1	-0.1	0.1
C31 Manufacture of furniture	111.8	112.4	112.0	0.2	1.1
C33 Repair and installation of machinery and equipment			115.2	0.1	1.0
D35 Electricity, gas, steam and air conditioning supply			104.3	-2.9	7.1
E36 Water collection, treatment and supply			122.7	0.0	1.3
F Construction			115.0	0.1	3.2

**Appendix table 10. Basic Price Index for Domestic Supply 2010=100 (MIG), December 2016**

Main Industrial Groupings (MIG)	Domestic goods	Import goods	Total	Monthly change, %	Annual change, %
Intermediate goods	105.1	102.8	104.2	0.9	1.3
Capital goods	110.1	105.4	107.6	0.1	0.9
Durable consumer goods	113.0	100.0	105.0	0.2	0.3
Non-durable consumer goods	109.1	111.4	110.0	0.2	0.1
Energy	101.9	87.2	95.7	5.2	18.0

**Appendix table 11. Basic Price Index for Domestic Supply 2010=100 (NACE-TOL 2008), including taxes, December 2016**

Commodity groups according to NACE-TOL 2008	Domestic goods	Import goods	Total	Monthly change, %	Annual change, %
A-E Total Index	110.9	107.2	109.7	1.0	3.8
A Agriculture, Forestry and fishing	105.2	105.0	105.2	-1.0	-0.4
B Mining and quarrying	111.3	109.2	109.5	9.6	25.1
C Manufacturing	108.6	106.2	107.6	0.8	1.5
C10 Manufacture of food products	113.7	117.4	114.6	0.1	-1.3
C11 Manufacture of beverages	121.9	116.2	120.4	-0.2	0.3
C13 Manufacture of textiles	102.2	107.4	105.6	0.1	0.5
C14 Manufacture of wearing apparel	122.7	118.7	119.0	0.3	0.7
C16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles	104.8	107.1	105.1	0.2	1.5
C17 Manufacture of paper and paper products	98.0	101.9	98.7	1.4	-3.0
C171 Manufacture of pulp, paper and paperboard	95.8	100.4	96.4	2.0	-3.9
C172 Manufacture of articles of paper and paperboard	109.1	105.4	108.1	-0.5	0.5
C20 Manufacture of chemicals and chemical products	106.7	103.8	105.1	0.4	-1.6
C22 Manufacture of rubber and plastic products	112.3	116.7	114.2	-0.3	-0.8
C23 Manufacture of other non-metallic mineral products	113.3	109.5	112.4	0.0	0.3
C24 Manufacture of basic metals	98.8	86.3	92.4	1.0	7.5
C25 Manufacture of fabricated metal products, except machinery and equipment	113.9	111.0	113.3	0.3	-0.2
C26 Manufacture of computer, electronic and optical products	97.6	99.8	99.5	0.3	0.5
C27 Manufacture of electrical equipment	111.2	108.2	109.1	0.2	-0.4
C28 Manufacture of machinery and equipment n.e.c.	105.0	108.7	107.1	0.2	0.7
C29 Manufacture of motor vehicles, trailers and semi-trailers	103.8	104.8	104.7	0.0	-0.3
C31 Manufacture of furniture	113.2	113.8	113.4	0.2	1.1
C33 Repair and installation of machinery and equipment			116.6	0.1	1.0
D35 Electricity, gas, steam and air conditioning supply			110.4	-2.0	4.9
E36 Water collection, treatment and supply			124.2	0.0	1.3
F Construction			116.4	0.1	3.2

**Appendix table 12. Basic Price Index for Domestic Supply 2010=100 (MIG), including taxes, December 2016**

Main Industrial Groupings (MIG)	Domestic goods	Import goods	Total	Monthly change, %	Annual change, %
Intermediate goods	106.3	104.0	105.4	0.9	1.3
Capital goods	111.5	106.3	108.7	0.1	0.8
Durable consumer goods	114.4	101.3	106.3	0.2	0.3
Non-durable consumer goods	113.0	116.7	114.6	0.0	0.3
Energy	110.4	103.0	107.5	4.2	13.8

**Appendix table 13. Production Price Index 1949=100 (SITC), December 2016**

Commodity groups (SITC)	Domestic goods	Export goods	Total	Monthly change, %	Annual change, %
0-8 Total index	2174	1681	1910	0.8	2.4
0 Food			1758	0.2	-0.3
7 Machinery and transport equipment			1358	-0.2	-0.4
71 Machinery (other than electric)			2910	-0.3	0.6
72 Electric machinery, apparatus and appliances			370	0.0	-2.7

**Appendix table 14. Production Price Index 1949=100 (ISIC), December 2016**

Industry (ISIC)	Index	Monthly change, %	Annual change, %
2-3 Manufacturing industry	1765	1.1	2.0
34-38 Manufacture of metal and metal products	1398	0.4	2.0
34 Basic metal industries	1465	2.1	10.5
35 Manufacture of metal products	2218	0.1	-0.7
36 Manufacture of machinery	2880	0.0	0.7
37 Manufacture of electric machinery	459	-0.6	-1.7
38 Manufacture of transport equipment	2145	-0.1	0.2

**Appendix table 15. Export Price Index 1949=100, December 2016**

Commodity groups (SITC)	Index	Monthly change, %	Annual change, %
0-8 Total index	1647	1.3	2.6
0 Food	1065	-1.4	-0.6
2 Crude materials (inedible)	1756	-0.5	-3.6
6 Manufactured goods	1561	1.1	3.5
7 Machinery and transport equipment	1461	-0.3	-1.0

**Appendix table 16. Import Price Index 1949=100, December 2016**

Commodity groups (SITC)	Index	Monthly change, %	Annual change, %
0-8 Total index	1529	3.0	7.5
0 Food	1331	0.5	-1.5
2 Crude materials (inedible)	1303	5.0	15.4
3 Mineral fuels, lubricants, gas, electric energy and water	3227	12.2	33.1
7 Machinery and transport equipment	2036	0.3	0.7

**Appendix table 17. Wholesale Price Index 1949=100, December 2016**

Commodity groups (SITC)	Domestic goods	Import goods	Total	Monthly change, %	Annual change, %
0-8 Total index	2336	1847	2206	1.0	3.8
0 Food			1591	-0.4	-1.4
3 Mineral fuels, lubricants, gas, electric energy and water			4037	4.1	13.6
31A Mineral fuels and lubricants			5160	9.5	21.4
31B Gas, electric energy and water			2895	-1.4	5.8
5 Chemicals			1537	0.2	-1.2
68 Base metals			2129	4.2	14.3
7 Machinery and transport equipment			1859	0.2	0.6
71 Machinery (other than electric)			4143	0.1	1.0
72 Electric machinery, apparatus and appliances			480	0.2	0.5
73 Transport equipment			2322	0.2	0.4

**Appendix table 18. Producer Price Index 2005=100, December 2016**

Commodity groups according to NACE-TOL 2008	Index
Total Index	112.2
B Mining and quarrying	125.1
C Manufacturing	109.9
C10 Manufacture of food products	123.6
C171 Manufacture of pulp, paper and paperboard	107.4
C172 Manufacture of articles of paper and paperboard	113.7
C20 Manufacture of chemicals and chemical products	129.6
C24 Manufacture of basic metals	112.7
C25 Manufacture of fabricated metal products, except machinery and equipment	123.4
C26 Manufacture of computer, electronic and optical products	53.2
C27 Manufacture of electrical equipment	121.4
C28 Manufacture of machinery and equipment n.e.c.	117.0
D35 Electricity, gas, steam and air conditioning supply	152.6

**Appendix table 19. Export Price Index 2005=100, December 2016**

Commodity groups according to NACE-TOL 2008	Index
Total Index	99.1
A Agriculture, Forestry and fishing	137.5
C Manufacturing	98.5
C10 Manufacture of food products	123.0
C171 Manufacture of pulp, paper and paperboard	104.6
C172 Manufacture of articles of paper and paperboard	105.0
C20 Manufacture of chemicals and chemical products	121.2
C24 Manufacture of basic metals	108.6
C25 Manufacture of fabricated metal products, except machinery and equipment	119.6
C27 Manufacture of electrical equipment	121.9
C28 Manufacture of machinery and equipment n.e.c.	115.7

**Appendix table 20. Import Price Index 2005=100, December 2016**

Commodity groups according to NACE-TOL 2008	Index
Total Index	111.9
A Agriculture, Forestry and fishing	125.4
B Mining and quarrying	123.4
C Manufacturing	108.3
C10 Manufacture of food products	129.5
C19 Manufacture of coke and refined petroleum products	125.0
C20 Manufacture of chemicals and chemical products	116.8
C24 Manufacture of basic metals	117.5
C25 Manufacture of fabricated metal products, except machinery and equipment	121.8
C26 Manufacture of computer, electronic and optical products	66.6
C27 Manufacture of electrical equipment	114.5
C28 Manufacture of machinery and equipment n.e.c.	118.2

**Appendix table 21. Basic Price Index for Domestic Supply 2005=100, December 2016**

Commodity groups according to NACE-TOL 2008	Index
Total Index	121.6
A Agriculture, Forestry and fishing	114.9
B Mining and quarrying	125.1
C Manufacturing	116.3
C10 Manufacture of food products	124.9
C171 Manufacture of pulp, paper and paperboard	114.7
C172 Manufacture of articles of paper and paperboard	113.9
C20 Manufacture of chemicals and chemical products	125.9
C24 Manufacture of basic metals	118.3
C25 Manufacture of fabricated metal products, except machinery and equipment	124.3
C26 Manufacture of computer, electronic and optical products	71.1
C27 Manufacture of electrical equipment	116.2
C28 Manufacture of machinery and equipment n.e.c.	118.9
D35 Electricity, gas, steam and air conditioning supply	151.4

**Appendix table 22. Wholesale Price Index 2005=100, December 2016**

Commodity groups according to NACE-TOL 2008	Index
Total Index	124.7
A Agriculture, Forestry and fishing	114.2
B Mining and quarrying	143.9
C Manufacturing	118.8
C10 Manufacture of food products	123.6
C171 Manufacture of pulp, paper and paperboard	116.5
C172 Manufacture of articles of paper and paperboard	115.7
C20 Manufacture of chemicals and chemical products	128.0
C24 Manufacture of basic metals	120.3
C25 Manufacture of fabricated metal products, except machinery and equipment	126.4
C26 Manufacture of computer, electronic and optical products	72.3
C27 Manufacture of electrical equipment	118.1
C28 Manufacture of machinery and equipment n.e.c.	120.8
D35 Electricity, gas, steam and air conditioning supply	159.2

**Appendix table 23. Producer Price Indices for Services 2010=100, 4th quarter 2016**

Industry	Point figure	Quarterly change, %	Annual change, %
TOTAL INDEX (TOL 2008)	107.4	0.2	0.7
H Transportation and storage	104.4	0.7	0.2
I Accommodation and food service activities	116.0	1.7	1.6
J Information and communication	106.5	0.3	0.6
L Real estate activities	111.1	1.5	1.4
M Professional, scientific and technical activities	104.7	-0.4	0.6
N Administrative and support service activities	115.0	-0.6	1.0
P Education	114.6	0.6	1.7
Q Human health and social work activities	116.2	0.0	2.0
R Arts, entertainment and recreation	116.9	0.8	1.9
S Other service activities	112.5	0.0	0.5
49 Land transport and transport via pipelines	105.3	0.9	0.1
4932 Taxi operation	113.4	0.0	1.1
4941 Freight transport by road	104.7	1.0	0.0
5020 Sea and coastal freight water transport	103.0	7.4	-0.3
52 Warehousing and support activities for transportation	102.5	-0.5	0.3
5210 Warehousing and storage	108.9	0.0	3.8
5224 Cargo handling	98.0	-1.0	-2.2
53 Postal and courier activities	133.0	0.6	5.5
5310 Postal activities under universal service obligation	137.9	0.7	6.5
5320 Other postal and courier activities	108.8	0.0	-0.3
5510 Hotels and similar accommodation	110.8	3.6	2.8
56 Food and beverage service activities	119.4	0.5	0.9
58 Publishing activities	113.1	0.9	2.4
61 Telecommunications	84.4	0.8	-1.4
62 Computer programming, consultancy and related activities	112.0	0.1	1.0
63 Information service activities	102.7	0.2	-2.7
6820 Renting and operating of own or leased real estate	111.7	1.5	1.4
6820A Rents of office premises	110.6	1.0	1.1
6820B Rents of business premises	112.5	1.8	1.6
69 Legal and accounting activities	113.9	0.8	2.5
6910 Legal activities	113.1	1.2	4.0
6920 Accounting, bookkeeping and auditing activities; tax consultancy	114.5	0.4	1.4
702 Management consultancy activities	103.3	-1.9	1.2
711 Architectural and engineering activities and related techn	104.8	0.3	-0.7
712 Technical testing and analysis	102.1	0.1	0.9
73 Advertising and market research	101.1	-0.3	0.7
731 Advertising	100.8	-0.4	0.8
732 Market research and public opinion polling	107.3	0.0	-0.6
7732 Renting and leasing of construction and civil engineering m	116.6	-2.1	1.6
7820 Temporary employment agency activities	109.5	0.2	-0.2
8010 Private security activities	119.4	0.0	0.9
81 Services to buildings and landscape activities	116.6	0.2	1.4
811 Combined facilities support activities	118.6	0.2	1.5
812 Cleaning activities	114.5	0.3	1.2
85 Education	114.6	0.6	1.7
86 Human health activities	116.2	0.0	2.0
90 Creative, arts and entertainment activities	123.6	2.1	3.6

Industry	Point figure	Quarterly change, %	Annual change, %
93 Sports activities and amusement and recreation activities	111.9	-0.2	0.5
95 Repair of computers and personal and household goods	116.9	0.0	0.3
96011 Washing and (dry-)cleaning of textile and fur products for	106.3	0.0	0.7

#### Appendix table 24. Producer Price Index, international comparison

	2013–2014, %	2014–2015, %	10/2015–10/2016, %	11/2015–11/2016, %
Finland	-1.0	-1.9	-0.3	0.6
Sweden	1.3	0.1	2.2	3.5
Germany	-0.7	-0.5	-0.3	0.0
France	-1.3	-1.7	-0.8 <sup>1)</sup>	-0.2 <sup>1)</sup>
United Kingdom	-7.4	-6.6	8.2	8.2
EU-15	-1.9	-2.4	0.7	1.2
EU-28	-1.8	-2.4	0.5	1.0 <sup>2)</sup>
Euro area	-1.3	-2.0	-0.2	0.1
United States	0.8	-5.1	-0.1 <sup>1)</sup>	0.2 <sup>1)</sup>
Japan	1.2	-2.3	-3.7	-3.0

Sources: Statistics Finland, Eurostat, U.S. Department of Labour, Bank of Japan  
The compiling methods of the indices may vary by country.

1) preliminary

2) Eurostat estimate

#### Appendix table 25. Wood pellet, consumer price

Time	Price, e/t	Price, c/kWh	Index 2010=100	Yearly Change, %
11/2016	270.4	5.69	103.6	-1.03

Energy prices are published on Statistics Finland's website at  
[http://tilastokeskus.fi/til/ehi/index\\_en.html](http://tilastokeskus.fi/til/ehi/index_en.html)  
The chaining coefficient of Wood Pellet Index 2005=100: 1.65310.

#### Appendix table 26. Basic Price Index for Domestic Supply 2000=100 (NACE-TOL 2002), December 2016

Commodity groups according to NACE-TOL	Index
E40 Electricity, gas, steam and hot water supply	221.4

# Quality Description of Producer Price Indices 2010=100

## 1. Relevance of statistical information

### 1.1 A summary of the information content and purpose of use of the statistics

Producer price indices measure the development of commodity prices from the perspective of enterprises. The producer price indices comprise five separately calculated indices: the Producer price index for manufactured products, the Export price index, the Import price index, the Basic price index for domestic supply and the Basic price index for domestic supply including taxes. All these indices measure price development slightly differently because the price concepts used and the industries covered vary by index.

One of the key usages of producer price indices is to function as a deflator in national accounts calculations. With them the value of production or sales is converted to volume of production. Producer price indices can also be used as an index clause in agreements. An index clause means that the final amount of a payment specified in an agreement is tied to a change in some index. In order to analyse business trends more closely, data from producer price indices can be combined with other data on business trends, such as those on the volume index of industrial output.

### 1.2 Introduction to the concepts essential for understanding the statistics, and the used classifications, research subject, data collector and data providers

#### 1.2.1 Information source

The price data of producer price indices are collected mostly directly from enterprises. The data are primarily collected with a web-based data collection system or by email. In addition to data collected directly from enterprises, the price data or point figures of other Statistics Finland's statistics are also used in calculating producer price indices. Such statistics are e.g. the Index of Producer Prices of Agricultural Products, the Building Cost Index as well as the Cost Index of Civil Engineering Works. The price development of certain import and export headings based on raw materials is measured with the import and export unit price data obtained from Board of Customs foreign trade statistics. Additionally, producer price indices use data from the Finnish Forest Research Institute, from the Energy Market Authority, from Finnish Energy Industries/District heating and from certain international commodity exchanges like the London Metal Exchange.

#### 1.2.2 Classifications

The industrial classification in use is the national TOL 2008 classification, which is based on the revised NACE Rev 2. classification of industries (Nomenclature générale des Activités économiques dans les Communautés Européennes). Correspondingly, the new 6-digit Finnish version of the EU CPA 2008 classification of goods and services by activity (Statistical Classification of Products by Activity in the European Community) is used as the classification of the commodity headings included the indices. In addition to this, the MIG (Main Industrial Groupings) classification is used, and the 1949=100 producer price indices use the United Nations ISIC-classification (International Standard Industrial Classification) and SITC-classification (Standard International Trade Classification).

#### 1.2.3 Concepts

##### **Producer Price Index for Manufactured Products 2010=100**

The Producer Price Index for Manufactured Products measures average changes in the prices of goods sold by domestic producers. The index includes both goods sold at home and goods sold abroad. The price used for goods intended for the domestic market is the so-called at the factory gate price exclusive of taxes. The price of goods intended for export is usually the f.o.b. price (free on board). The Producer Price Index for Manufactured Products covers TOL 2008 categories B-E, that is, commodities ranging from minerals to water and waste management services.

##### **Export Price Index 2010=100**

The Export Price Index measures changes in the f.o.b. prices of export goods. Foreign-currency export prices are converted to EUR using the Bank of Finland's mean rate for the statistical reference month. The

Export Price Index covers TOL 2008 categories A-E, that is, commodities ranging from agricultural products to water and waste management services.

### **Import Price Index 2010=100**

The Import Price Index measures development in the c.i.f. prices of imported goods. C.i.f. prices are inclusive of expenses, insurances and freight. Foreign-currency import prices are converted to EUR using the Bank of Finland's mean rate for the statistical reference month. The Import Price Index covers TOL 2008 industries A-E, that is, commodities ranging from agricultural products to water and waste management services.

### **Basic Price index for Domestic Supply 2010=100**

The Basic Price index for Domestic Supply measures changes in the tax-free prices of goods used in Finland as they first enter the market. The index includes both domestic and imported goods. The price for domestic goods is the price at the factory gate exclusive of taxes. The price for imported goods is the c.i.f. price of the imports plus customs duties. The Basic Price Index for Domestic Supply covers TOL 2008 industries A-F, that is, commodities ranging from agricultural products to construction.

### **Basic Price index for Domestic Supply including taxes 2010=100**

The Basic Price index for Domestic Supply including taxes corresponds to the Basic Price Index of Domestic supply, but the changes in excise duties, car tax and value added tax affect statistic's point figures. The index includes both domestic and imported goods. The price for domestic goods comprises the price at the factory gate, value added tax and other indirect taxes. The price of imported goods comprises the c.i.f. price of the imports, customs duties, value added tax and other indirect taxes. The Index covers TOL 2008 industries A-F, that is, commodities ranging from agricultural products to construction.

#### 1.3 Laws and regulations

These statistics are based on the Law on Statistics (280/2004) and on the European Council Regulations (EC) No 1165/98 and No 1158/2005 concerning short-term statistics. Only the information necessary for compiling the indices is collected. The confidentiality of the information is taken into account when publishing the statistics: no information on individual enterprises can be deducted from the results. Producer Price Index is a so-called insider statistic, which cannot be released into public before the official publication.

## 2. Methodological description of survey

### 2.1. Population and sample

The calculation of producer price indices is based on a sample. First the CPA headings are selected and then the enterprise sample is drawn. The price data used to calculate the index are collected from enterprises included in the sample. These price indices are considered to be descriptive of the average development in the prices of all manufactured products. The samples of CPA headings and enterprise data suppliers included in the producer price indices are generally revised at five-year intervals to maintain the timeliness of the indices. The CPA headings of the producer price indices 2010=100 have been selected from the total group of headings for which production, export or import was recorded during the year 2010.

### 2.2. Index calculation

The overall index describes the average development in the prices of the headings included in the index. Geometric averages for the headings of each enterprise are calculated on the basis of price ratios (= current price/price at base period) derived from individual variants. These micro indices are combined into an overall index/industry-specific index by weighting each micro index with its own weighting coefficient. In other words, price changes of individual commodities have different-sized effects on the overall index. At the TOL 2008 classification 4-digit level producer price indices are Laspeyres indices. At a more detailed level than the 4-digit level weights can be revised as necessary and new commodities or data suppliers can be included in the index.

The weight structures of Producer Price Indices were revised in the beginning of the year 2013 due to structural changes in the electrical and electronics industry. The 2010=100 index figures are calculated by chaining method onwards January's 2013 statistics.

### 3. Correctness and accuracy of data

### 4. Timeliness and promptness of published data

The statistics are published on the 24th day or the next office day of the month following the month of the data. The November's statistics is published on the previous working day of Christmas

The prices collected from the enterprises are mean prices of the month of the query. If defining a mean price is not possible, the price can also be the delivery / invoicing / payment price measured on the 15th day.

### 5. Accessibility and transparency/clarity of data

#### **Latest release**

Producer price indices are published on the 24th day of the month following the statistical reference month or on the first working day following it (except November's statistics that is released on the previous working day of Christmas). A short release on the latest figures is published on the home page of the statistics.

#### **Internet service**

The published producer price index point figures are available in Statistics Finland's StatFin service. The service is free of charge and located under Tables on the producer price indices' web page. A monthly publication is produced of the producer price indices, which can be downloaded for free in pdf format under Available products and services on the producer price indices' web page.

#### **Printed edition**

A printed edition of the publication can be ordered from Statistics Finland (email [asiakaspalvelu.publishing@edita.fi](mailto:asiakaspalvelu.publishing@edita.fi), tel. +358 20 450 05).

#### **Customer-specific indices**

A customer-specific index can be compiled for such goods groups which are not included in Statistics Finland's regular index production or classification. Such indices can be produced from all price indices. Enquiries about chargeable customer-specific indices can be made to Statistics Finland, tel. +358 29 551 1000 / producer prices.

### 6. Comparability of statistics

### 7. Coherence and consistency/uniformity

The point figures of Producer Price Indices concerning a certain month are final; they are not to be revised or altered other than in exceptional cases.

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Source: Producer Price Index 2016, December. Statistics Finland