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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

Table A – Selected key figures regarding manufacturing production and sales for November 2008

Estimates	November 2008	% change between November 2007 and November 2008	% change between September to November 2007 and September to November 2008	% change between January to November 2007 and January to November 2008
Physical volume of manufacturing production index (2000=100)	134,9	-4,4	-0,7	1,8
Total value of sales of manufactured products (R million)	119 949	8,4	16,4	19,8

Seasonally adjusted estimates	November 2008	% change between October and November 2008	% change between June to August 2008 and September to November 2008
Physical volume of manufacturing production index (2000=100)	121,2	-3,0	-3,1
Total value of sales of manufactured products (R million)	108 061	-6,6	-4,2

Manufacturing production down in November

The estimated manufacturing production for November 2008 decreased by 4,4% compared with the same month a year ago, following negative annual growth of -1,8% for October 2008. The seasonally adjusted manufacturing production for the three months ended November 2008 decreased by 3,1% compared with the previous three months. The decrease was driven mainly by lower production in three divisions, namely basic iron and steel, non-ferrous metal products, metal products and machinery (contributing -1,6 percentage points), petroleum, chemical products, rubber and plastic products (contributing -1,0 percentage point) and motor vehicles, parts and accessories and other transport equipment (contributing -0,7 of a percentage point) (see Table B).

The 4,4% decrease in manufacturing production during November 2008 compared with November 2007 was mainly due to lower production in the basic iron and steel, non-ferrous metal products, metal products and machinery division (-11,3% and contributing -2,5 percentage points), followed by the motor vehicles, parts and accessories and other transport equipment division (-21,9% and contributing -1,9 percentage points). The food and beverages division partly counteracted the decrease with a reported increase of 5,6% (contributing 0,9 of a percentage point) (see Table 4b).

Manufacturing production for the first eleven months of 2008 increased by 1,8% compared with the same period in 2007, which is lower than the annual increase of 4,1% reported for 2007 when compared with 2006.

Table B – Contribution of manufacturing divisions and major groups to the total of seasonally adjusted manufacturing production

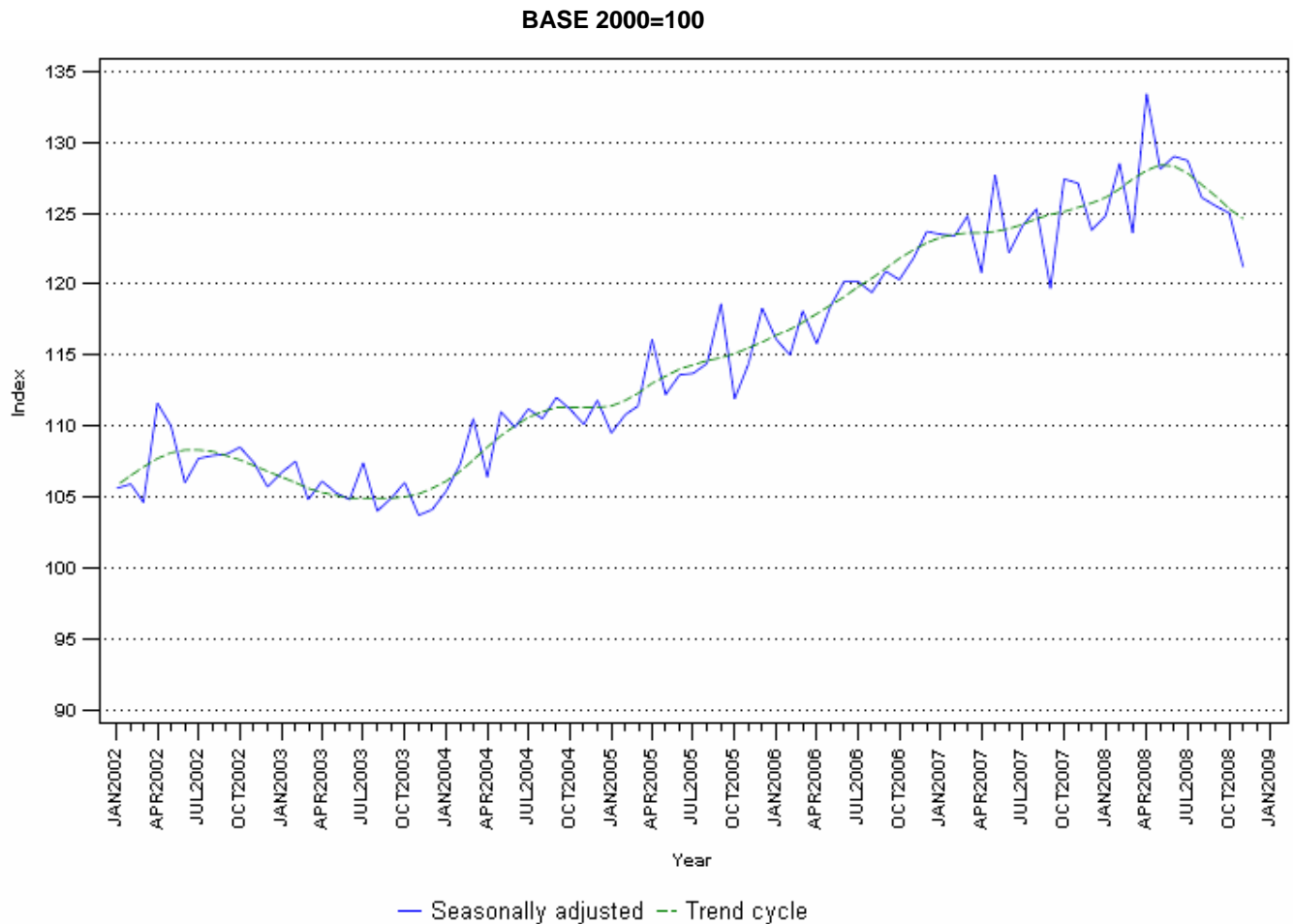
Base 2000=100

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2001	Average seasonally adjusted production index for June to August 2008	Average seasonally adjusted production index for September to November 2008	Quarterly percentage change of September to November 2008 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and beverages	16,4	129,9	131,9	1,5	0,2
-Food and food products	12,1	120,8	121,5	0,6	0,1
-Beverages	4,3	155,6	161,2	3,6	0,2
Textiles, clothing, leather and footwear	5,4	100,1	100,0	-0,1	0,0
-Textiles	2,4	94,1	92,1	-2,1	-0,1
-Wearing apparel	2,3	108,2	111,2	2,8	0,1
-Leather and leather products	0,3	104,0	95,0	-8,7	0,0
-Footwear	0,4	88,8	88,5	-0,3	0,0
Wood and wood products, paper, publishing and printing	11,0	119,4	120,9	1,3	0,1
-Wood and products of wood	1,7	117,1	118,8	1,5	0,0
-Paper and paper products	4,8	127,9	129,6	1,3	0,1
-Publishing and printing	4,6	111,2	112,4	1,1	0,1
Petroleum, chemical products, rubber and plastic products	22,5	137,6	131,5	-4,4	-1,0
-Coke, petroleum products and nuclear fuel	9,1	102,0	89,4	-12,4	-1,1
-Basic chemicals	4,0	181,5	177,6	-2,1	-0,1
-Other chemical products	5,4	152,1	154,3	1,4	0,1
-Rubber products	1,1	87,0	84,0	-3,4	0,0
-Plastic products	3,0	181,4	176,2	-2,9	-0,1
Glass and non-metallic mineral products	3,9	132,2	138,1	4,5	0,2
-Glass and glass products	1,1	160,4	183,9	14,7	0,2
-Non-metallic mineral products	2,9	121,7	121,0	-0,6	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	124,5	115,4	-7,3	-1,6
-Basic iron and steel products	5,5	115,9	83,2	-28,2	-1,6
-Basic precious, non-ferrous metal products	4,7	110,3	111,1	0,7	0,0
-Fabricated metal products	5,5	144,3	142,1	-1,5	-0,1
-Machinery and equipment	6,7	125,0	123,5	-1,2	-0,1
Electrical machinery	2,7	121,0	120,3	-0,6	0,0
Radio, television and communication apparatus and professional equipment	1,3	121,5	122,9	1,2	0,0
-Radio, television and communication apparatus	0,7	110,4	108,2	-2,0	0,0
-Professional equipment	0,6	132,8	137,8	3,8	0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	138,3	127,7	-7,7	-0,7
-Motor vehicles, trailers, parts and accessories	7,6	143,0	130,7	-8,6	-0,7
-Other transport equipment	1,0	102,7	104,2	1,5	0,0
Furniture and other manufacturing division	5,8	126,5	119,7	-5,4	-0,3
-Furniture	1,6	143,9	138,9	-3,5	-0,1
-Other manufacturing groups	4,2	119,9	112,4	-6,3	-0,3
Total	100,0	127,9	123,9	-3,1	-3,1

1/ The contribution is calculated by multiplying the quarterly percentage change of each manufacturing group or division with its corresponding weight in the base year, divided by 100.

Figure 1 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 2002 and November 2008.

Figure 1 – Index of the physical volume of manufacturing production



Seasonally adjusted sales of manufactured products decrease

The estimated total value of sales of manufactured products at current prices for the three months ended November 2008 decreased by 4,2% (-R14 830 million), after seasonal adjustment, compared with the previous three months. Lower manufacturing sales were reported by five of the ten manufacturing divisions during this period (see Table C).

Substantial decreases were reported for the basic iron and steel, non-ferrous metal products, metal products and machinery division (-8,7% or -R7 068 million), the motor vehicles, parts and accessories and other transport equipment division (-8,1% or -R3 919 million) and the petroleum, chemical products, rubber and plastic products division (-6,8% or -R5 938 million) during this period (see Table C).

Table C – Contribution of the manufacturing divisions and major groups to the total value of seasonally adjusted sales of manufactured products at current prices

Manufacturing divisions and major groups	Seasonally adjusted sales June to August 2008	Seasonally adjusted sales September to November 2008	Percentage change between June to August and September to November 2008	Difference in seasonally adjusted sales of manufacturing divisions between June to August and September to November 2008
	R '000	R '000		R '000
Food and beverages	59 225 316	60 985 237	3,0	1 759 921
-Food and food products	44 950 596	46 023 770	2,4	1 073 174
-Beverages	14 274 719	14 961 466	4,8	686 747
Textiles, clothing, leather and footwear	10 419 359	10 441 258	0,2	21 899
-Textiles	4 206 038	4 222 522	0,4	16 484
-Wearing apparel	4 262 551	4 267 478	0,1	4 927
-Leather and leather products	1 088 253	1 052 325	-3,3	-35 928
-Footwear	862 517	898 933	4,2	36 416
Wood and wood products, paper, publishing and printing	27 853 958	29 090 425	4,4	1 236 467
-Wood and products of wood	6 525 295	6 718 403	3,0	193 108
-Paper and paper products	12 261 785	12 958 780	5,7	696 995
-Publishing and printing	9 066 879	9 413 240	3,8	346 361
Petroleum, chemicals products, rubber and plastic products	87 637 168	81 699 137	-6,8	-5 938 031
-Coke, petroleum products and nuclear fuel	37 533 322	29 871 352	-20,4	-7 661 970
-Basic chemicals	20 245 767	20 852 924	3,0	607 157
-Other chemical products	16 065 614	16 833 160	4,8	767 546
-Rubber products	3 026 191	2 998 691	-0,9	-27 500
-Plastic products	10 766 274	11 143 009	3,5	376 735
Glass and non-metallic mineral products	8 862 547	9 223 770	4,1	361 223
-Glass and glass products	1 542 251	1 777 529	15,3	235 278
-Non-metallic mineral products	7 320 296	7 446 242	1,7	125 946
Basic iron and steel, non-ferrous metal products, metal products and machinery	81 147 235	74 079 696	-8,7	-7 067 539
-Basic iron and steel products	37 037 271	29 954 275	-19,1	-7 082 996
-Basic precious, non-ferrous metal products	10 966 701	10 732 360	-2,1	-234 341
-Fabricated metal products	17 963 134	18 026 025	0,4	62 891
-Machinery and equipment	15 180 130	15 367 036	1,2	186 906
Electrical machinery	10 180 642	10 041 092	-1,4	-139 550
Radio, television and communication apparatus and professional equipment	3 534 089	3 602 133	1,9	68 044
-Radio, television and communication apparatus	1 633 295	1 602 061	-1,9	-31 234
-Professional equipment	1 900 795	2 000 073	5,2	99 278
Motor vehicles, parts and accessories and other transport equipment	48 487 025	44 568 089	-8,1	-3 918 936
-Motor vehicles, trailers, parts and accessories	44 821 040	40 726 979	-9,1	-4 094 061
-Other transport equipment	3 665 986	3 841 110	4,8	175 124
Furniture and other manufacturing division	16 541 246	15 328 039	-7,3	-1 213 207
-Furniture	3 491 499	3 470 087	-0,6	-21 412
-Other manufacturing groups	13 049 746	11 857 951	-9,1	-1 191 795
Total	353 888 587	339 058 874	-4,2	-14 829 713

Sales of manufactured products at current prices increase

The value of sales of manufactured products at current prices for the three months ended November 2008 was 16,4% (R51 648 million) higher than for the three months ended November 2007. Increased sales were reflected in all divisions, although at a slower rate than for the three months up to October 2008 (+20,8%) (see Tables D and 5).

The major contributors to the increase of 16,4% in sales of manufactured products at current prices for the three months ended November 2008 compared with the same period of 2007 were the petroleum, chemical products, rubber and plastic products division (+6,4 percentage points or +R20 201 million), the basic iron and steel, non-ferrous metal products, metal products and machinery division (+3,6 percentage points or +R11 369 million), the food and beverages division (+3,6 percentage points or +R11 354 million) and the wood and wood products, paper, publishing and printing division (+1,2 percentage points or +R3 682 million) (see Table D).

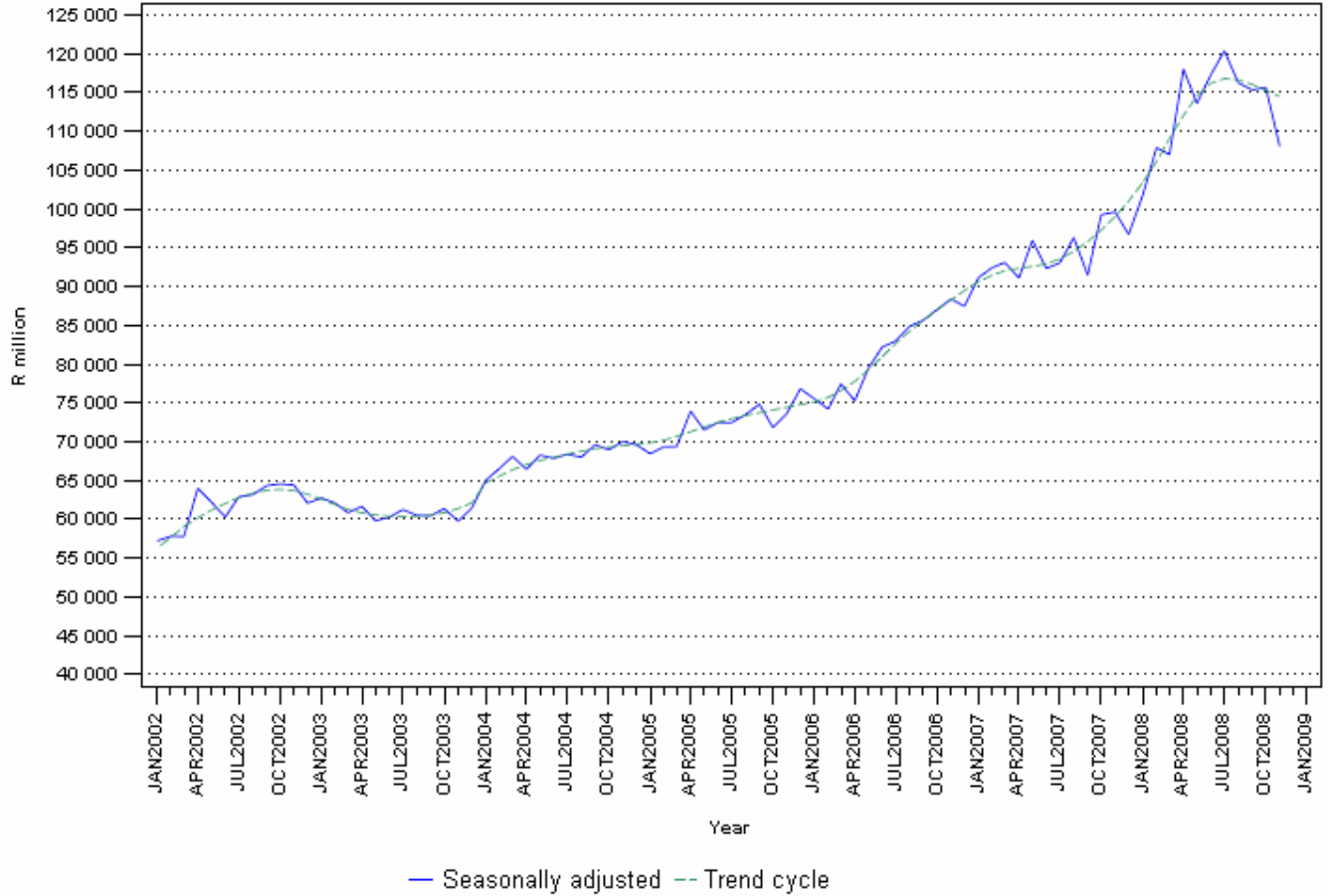
Table D – Contribution of the manufacturing divisions and major groups to the total value of sales of manufactured products at current prices

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products September to November 2007	Percentage change between September to November 2007 and September to November 2008	Contribution (percentage points) to the percentage change in the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between September to November 2007 and September to November 2008
				R '000
Food and beverages	16,9	21,4	3,6	11 354 065
-Food and food products	12,6	22,9	2,9	9 061 968
-Beverages	4,3	17,0	0,7	2 292 097
Textiles, clothing, leather and footwear	3,8	0,3	0,0	34 921
-Textiles	1,5	-0,8	0,0	-36 883
-Wearing apparel	1,6	0,9	0,0	42 008
-Leather and leather products	0,4	-5,0	0,0	-58 341
-Footwear	0,3	8,7	0,0	88 137
Wood and wood products, paper, publishing and printing	9,0	13,0	1,2	3 681 949
-Wood and products of wood	2,3	2,8	0,1	201 921
-Paper and paper products	3,5	26,1	0,9	2 889 398
-Publishing and printing	3,1	6,0	0,2	590 630
Petroleum, chemicals products, rubber and plastic products	21,6	29,7	6,4	20 200 726
-Coke, petroleum products and nuclear fuel	7,7	25,6	2,0	6 219 835
-Basic chemicals	4,7	55,7	2,6	8 298 487
-Other chemical products	4,9	20,2	1,0	3 141 194
-Rubber products	0,9	12,8	0,1	363 710
-Plastic products	3,3	21,0	0,7	2 177 500
Glass and non-metallic mineral products	3,0	10,4	0,3	975 664
-Glass and glass products	0,5	22,6	0,1	387 145
-Non-metallic mineral products	2,4	7,7	0,2	588 519
Basic iron and steel, non-ferrous metal products, metal products and machinery	21,4	16,9	3,6	11 369 296
-Basic iron and steel products	7,7	27,4	2,1	6 638 209
-Basic precious, non-ferrous metal products	3,3	8,3	0,3	862 086
-Fabricated metal products	5,4	17,4	0,9	2 951 172
-Machinery and equipment	5,0	5,8	0,3	917 829
Electrical machinery	3,1	13,4	0,4	1 293 602
Radio, television and communication apparatus and professional equipment	1,2	7,1	0,1	258 352
-Radio, television and communication apparatus	0,5	7,9	0,0	130 682
-Professional equipment	0,6	6,4	0,0	127 670
Motor vehicles, parts and accessories and other transport equipment	15,2	2,5	0,4	1 212 320
-Motor vehicles, trailers, parts and accessories	14,1	1,1	0,2	475 971
-Other transport equipment	1,0	22,9	0,2	736 349
Furniture and other manufacturing division	5,0	8,1	0,4	1 266 868
-Furniture	1,3	3,0	0,0	125 183
-Other manufacturing groups	3,7	9,9	0,4	1 141 685
Total	100,0	16,4	16,4	51 647 763

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing major group or division with the percentage contribution of the same major group or division during corresponding period in 2007, divided by 100.

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2002 and November 2008.

Figure 2 – Total value of sales of manufactured products at current prices



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Detailed results: Tables

Table 1 – Index of the physical volume of manufacturing production: Total

Base 2000 = 100

Month	2002	2003	2004	2005	2006	2007	2008
Jan	93,7	94,4	93,1	96,2	101,7	107,6	108,8
Feb	103,6	104,3	103,6	106,3	110,1	118,2	122,8
Mar	108,2	108,4	114,1	114,9	121,4	128,3	126,9
Apr	104,4	100,0	100,3	109,2	109,2	113,9	125,9
May	110,3	105,7	111,6	112,8	118,9	128,1	128,7
Jun	106,7	105,3	110,5	114,3	121,4	123,7	130,7
Jul	108,8	108,7	113,0	115,5	122,2	126,1	130,6
Aug	109,8	106,3	113,7	118,2	123,8	130,1	130,6
Sep	111,4	108,7	116,0	122,9	125,5	123,9	1/ 129,7
Oct	119,6	116,7	122,5	123,2	132,6	140,3	1/ 137,8
Nov	119,8	114,9	122,3	127,1	135,4	141,1	1/ 134,9
Dec	92,7	91,5	99,0	104,6	109,3	109,5	
Year	107,4	105,4	110,0	113,8	119,3	124,2	

1/ Preliminary.

Table 2 – Annual percentage change in the index of the physical volume of manufacturing production: Total

Month	2002	2003	2004	2005	2006	2007	2008
Jan	-	0,7	-1,4	3,3	5,7	5,8	1,1
Feb	-	0,7	-0,7	2,6	3,6	7,4	3,9
Mar	-	0,2	5,3	0,7	5,7	5,7	-1,1
Apr	-	-4,2	0,3	8,9	0,0	4,3	10,5
May	-	-4,2	5,6	1,1	5,4	7,7	0,5
Jun	-	-1,3	4,9	3,4	6,2	1,9	5,7
Jul	-	-0,1	4,0	2,2	5,8	3,2	3,6
Aug	-	-3,2	7,0	4,0	4,7	5,1	0,4
Sep	-	-2,4	6,7	5,9	2,1	-1,3	4,7
Oct	-	-2,4	5,0	0,6	7,6	5,8	-1,8
Nov	-	-4,1	6,4	3,9	6,5	4,2	-4,4
Dec	-	-1,3	8,2	5,7	4,5	0,2	
Year	-	-1,9	4,4	3,5	4,8	4,1	

The percentage change is the change in the index of the physical volume of manufacturing production of the relevant year compared with the index of physical volume of manufacturing production of the previous year expressed as a percentage.

Table 3 – Seasonally adjusted index of the physical volume of manufacturing production: Total

Month	2002	2003	2004	2005	2006	2007	2008
Jan	105,8	107,0	105,4	109,5	116,1	123,5	124,8
Feb	105,9	107,6	107,3	110,8	115,0	123,4	128,5
Mar	104,7	104,9	110,5	111,4	118,1	124,8	123,6
Apr	112,0	106,7	106,4	116,1	115,8	120,8	133,4
May	110,0	105,3	111,0	112,2	118,4	127,7	128,1
Jun	106,0	104,7	109,9	113,6	120,2	122,2	129,0
Jul	107,4	107,2	111,2	113,7	120,2	124,1	128,7
Aug	107,7	103,7	110,5	114,4	119,4	125,3	126,1
Sep	108,0	105,1	112,0	118,6	120,9	119,7	125,5
Oct	108,6	106,0	111,2	111,9	120,3	127,4	125,0
Nov	107,5	103,6	110,1	114,4	121,8	127,1	121,2
Dec	105,1	103,1	111,8	118,3	123,7	123,8	

Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups

Base 2000 = 100

Manufacturing divisions and major groups	Weights	Year 2007	Indices			Seasonally adjusted indices		
			November 2007	1/ October 2008	1/ November 2008	November 2007	October 2008	November 2008
Food and beverages	16,4	124,5	135,9	147,3	143,5	124,7	135,1	132,0
-Meat, fish, fruit etc.	2,6	130,7	133,1	146,3	140,7	130,9	145,9	138,9
-Dairy products	1,1	112,3	120,1	129,3	121,9	111,7	118,1	113,8
-Grain mill products	1,5	129,4	131,9	138,5	140,8	128,0	136,7	136,9
-Other food products	6,8	111,2	126,0	135,2	125,0	110,8	115,1	109,8
-Beverages	4,3	143,1	158,8	174,9	181,3	145,2	164,1	166,1
Textiles, clothing, leather and footwear	5,4	102,6	128,2	117,0	119,6	108,2	101,2	100,5
-Textiles	1,2	80,0	98,5	84,1	83,4	88,5	76,7	74,8
-Other textile products	1,2	119,5	150,0	133,0	139,3	122,4	114,2	113,7
-Knitted, crocheted articles	0,3	82,6	92,3	101,6	94,2	81,9	89,4	82,9
-Wearing apparel	2,0	113,8	147,2	134,1	143,0	119,8	114,9	115,8
-Leather and leather products	0,3	101,6	111,7	94,7	99,2	106,7	87,4	95,1
-Footwear	0,4	84,9	105,0	116,8	96,1	92,4	91,3	85,0
Wood and wood products, paper, publishing and printing	11,0	117,5	137,2	133,3	134,5	120,9	122,3	118,8
-Sawmilling and planing of wood	0,7	116,4	122,9	119,0	114,8	112,2	109,6	104,7
-Products of wood	1,0	134,9	156,9	144,6	146,9	134,5	128,4	126,3
-Paper and paper products	4,8	113,5	130,0	137,8	137,8	118,4	132,3	125,5
-Publishing	2,4	123,9	142,4	125,8	126,8	124,4	113,7	110,7
-Printing, recorded media	2,1	111,4	142,6	131,3	136,3	119,1	111,1	114,2
Petroleum, chemical products, rubber and plastic products	22,5	124,1	144,4	142,8	142,7	131,3	131,0	129,0
-Coke, petroleum products and nuclear fuel	9,1	97,0	107,6	84,8	90,8	106,8	84,1	89,9
-Basic chemicals	4,0	142,3	166,2	210,1	186,7	147,5	185,2	165,6
-Other chemical products	5,4	139,6	164,7	172,9	174,4	144,3	154,9	152,7
-Rubber products	1,1	82,9	94,6	86,9	92,4	86,1	82,6	84,4
-Plastic products	3,0	170,6	210,7	197,5	205,1	178,5	177,9	174,0
Glass and non-metallic mineral products	3,9	136,6	155,6	158,5	157,0	137,3	140,8	137,7
-Glass and glass products	1,1	155,0	186,6	211,5	232,4	154,5	187,0	192,7
-Non-metallic mineral products	2,9	129,7	144,0	138,8	129,0	130,9	123,6	117,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	134,0	126,3	118,9	124,8	116,0	110,3
-Basic iron and steel products	5,5	111,8	106,8	88,6	64,0	106,9	83,5	64,6
-Non-ferrous metal products	4,7	118,9	120,0	116,3	111,3	117,8	112,4	109,5
-Structural metal products	1,3	137,7	164,8	153,0	152,3	144,7	135,7	134,8
-Other fabricated metal products	4,2	140,7	158,0	161,7	162,0	140,7	143,6	144,1
-General purpose machinery	2,4	119,8	130,8	109,7	108,0	118,2	98,6	97,7
-Special purpose machinery	3,2	143,0	156,5	155,7	156,1	142,7	143,9	142,9
-Household appliances	1,2	130,0	145,7	144,9	145,2	124,1	126,6	124,6
-Electrical machinery	2,7	106,6	123,2	131,4	130,0	110,5	117,5	117,0
Radio, television and communication apparatus and professional equipment	1,3	116,9	133,5	134,8	140,9	119,0	125,6	125,0
-Radio, television and communication apparatus	0,7	100,3	119,7	120,1	125,4	103,7	111,2	107,5
-Professional equipment	0,6	133,7	147,6	149,8	156,6	134,4	140,2	142,7
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	169,6	147,8	132,5	150,8	131,7	117,6
-Motor vehicles	4,1	140,7	173,0	155,6	133,9	150,1	132,6	116,1
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	270,9	280,1	275,6	227,0	245,0	231,4
-Parts and accessories	3,1	154,5	173,5	133,0	118,9	158,7	125,2	108,7
-Other transport equipment	1,0	103,1	105,5	112,4	115,5	100,4	106,0	109,2
Furniture and other manufacturing division	5,8	120,1	148,4	139,2	146,9	122,6	118,8	121,9
-Furniture	1,6	142,6	195,8	178,1	186,7	148,2	138,3	141,0
-Other manufacturing groups	4,2	111,6	130,5	124,5	131,9	113,0	111,4	114,7
Total	100,0	124,2	141,1	137,8	134,9	127,1	125,0	121,2

1/ Preliminary.

Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)

Base 2000 = 100

Manufacturing divisions and major groups	Weights	Year 2007	Indices			Seasonally adjusted indices		
			November 2007	1/ November 2008	Percentage difference between November 2007 and November 2008	October 2008	November 2008	Percentage difference between October and November 2008
Food and beverages	16,4	124,5	135,9	143,5	5,6	135,1	132,0	-2,3
-Meat, fish, fruit etc.	2,6	130,7	133,1	140,7	5,7	145,9	138,9	-4,8
-Dairy products	1,1	112,3	120,1	121,9	1,5	118,1	113,8	-3,6
-Grain mill products	1,5	129,4	131,9	140,8	6,7	136,7	136,9	0,1
-Other food products	6,8	111,2	126,0	125,0	-0,8	115,1	109,8	-4,6
-Beverages	4,3	143,1	158,8	181,3	14,2	164,1	166,1	1,2
Textiles, clothing, leather and footwear	5,4	102,6	128,2	119,6	-6,7	101,2	100,5	-0,7
-Textiles	1,2	80,0	98,5	83,4	-15,3	76,7	74,8	-2,5
-Other textile products	1,2	119,5	150,0	139,3	-7,1	114,2	113,7	-0,4
-Knitted, crocheted articles	0,3	82,6	92,3	94,2	2,1	89,4	82,9	-7,3
-Wearing apparel	2,0	113,8	147,2	143,0	-2,9	114,9	115,8	0,8
-Leather and leather products	0,3	101,6	111,7	99,2	-11,2	87,4	95,1	8,8
-Footwear	0,4	84,9	105,0	96,1	-8,5	91,3	85,0	-6,9
Wood and wood products, paper, publishing and printing	11,0	117,5	137,2	134,5	-2,0	122,3	118,8	-2,9
-Sawmilling and planing of wood	0,7	116,4	122,9	114,8	-6,6	109,6	104,7	-4,5
-Products of wood	1,0	134,9	156,9	146,9	-6,4	128,4	126,3	-1,6
-Paper and paper products	4,8	113,5	130,0	137,8	6,0	132,3	125,5	-5,1
-Publishing	2,4	123,9	142,4	126,8	-11,0	113,7	110,7	-2,6
-Printing, recorded media	2,1	111,4	142,6	136,3	-4,4	111,1	114,2	2,8
Petroleum, chemical products, rubber and plastic products	22,5	124,1	144,4	142,7	-1,2	131,0	129,0	-1,5
-Coke, petroleum products and nuclear fuel	9,1	97,0	107,6	90,8	-15,6	84,1	89,9	6,9
-Basic chemicals	4,0	142,3	166,2	186,7	12,3	185,2	165,6	-10,6
-Other chemical products	5,4	139,6	164,7	174,4	5,9	154,9	152,7	-1,4
-Rubber products	1,1	82,9	94,6	92,4	-2,3	82,6	84,4	2,2
-Plastic products	3,0	170,6	210,7	205,1	-2,7	177,9	174,0	-2,2
Glass and non-metallic mineral products	3,9	136,6	155,6	157,0	0,9	140,8	137,7	-2,2
-Glass and glass products	1,1	155,0	186,6	232,4	24,5	187,0	192,7	3,0
-Non-metallic mineral products	2,9	129,7	144,0	129,0	-10,4	123,6	117,2	-5,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	134,0	118,9	-11,3	116,0	110,3	-4,9
-Basic iron and steel products	5,5	111,8	106,8	64,0	-40,1	83,5	64,6	-22,6
-Non-ferrous metal products	4,7	118,9	120,0	111,3	-7,3	112,4	109,5	-2,6
-Structural metal products	1,3	137,7	164,8	152,3	-7,6	135,7	134,8	-0,7
-Other fabricated metal products	4,2	140,7	158,0	162,0	2,5	143,6	144,1	0,3
-General purpose machinery	2,4	119,8	130,8	108,0	-17,4	98,6	97,7	-0,9
-Special purpose machinery	3,2	143,0	156,5	156,1	-0,3	143,9	142,9	-0,7
-Household appliances	1,2	130,0	145,7	145,2	-0,3	126,6	124,6	-1,6
Electrical machinery	2,7	106,6	123,2	130,0	5,5	117,5	117,0	-0,4
Radio, television and communication apparatus and professional equipment	1,3	116,9	133,5	140,9	5,5	125,6	125,0	-0,5
-Radio, television and communication apparatus	0,7	100,3	119,7	125,4	4,8	111,2	107,5	-3,3
-Professional equipment	0,6	133,7	147,6	156,6	6,1	140,2	142,7	1,8
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	169,6	132,5	-21,9	131,7	117,6	-10,7
-Motor vehicles	4,1	140,7	173,0	133,9	-22,6	132,6	116,1	-12,4
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	270,9	275,6	1,7	245,0	231,4	-5,6
-Parts and accessories	3,1	154,5	173,5	118,9	-31,5	125,2	108,7	-13,2
-Other transport equipment	1,0	103,1	105,5	115,5	9,5	106,0	109,2	3,0
Furniture and other manufacturing division	5,8	120,1	148,4	146,9	-1,0	118,8	121,9	2,6
-Furniture	1,6	142,6	195,8	186,7	-4,6	138,3	141,0	2,0
-Other manufacturing groups	4,2	111,6	130,5	131,9	1,1	111,4	114,7	3,0
Total	100,0	124,2	141,1	134,9	-4,4	125,0	121,2	-3,0

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000)

Month	2002	2003	2004	2005	2006	2007	2008
Jan	49 460 059	54 362 254	55 071 330	57 996 123	64 189 094	77 735 488	87 264 599
Feb	57 864 931	61 989 347	64 229 244	66 760 165	71 388 922	88 795 001	103 240 425
Mar	61 605 130	64 510 085	69 915 271	71 125 524	79 202 703	95 108 539	108 981 724
Apr	62 018 095	60 355 639	62 938 714	69 852 309	70 995 969	85 951 025	111 471 587
May	64 280 531	62 025 293	68 680 038	71 871 060	79 802 545	96 506 978	114 469 290
Jun	62 755 902	62 591 404	68 432 062	73 140 542	83 059 482	93 559 142	118 895 452
Jul	64 595 172	63 121 052	68 962 693	73 306 407	84 166 082	94 457 875	122 517 062
Aug	66 054 568	63 133 885	69 723 627	75 677 432	87 784 628	99 753 483	120 621 090
Sep	68 466 542	64 724 012	72 859 146	78 504 917	89 792 711	95 566 455	1/ 120 173 361
Oct	72 908 893	69 446 223	75 511 320	78 553 072	94 992 441	108 206 596	1/ 125 942 306
Nov	73 373 081	68 158 470	77 784 326	82 083 555	98 270 280	110 644 228	1/ 119 949 375
Dec	58 669 430	57 772 435	63 593 769	69 817 622	78 806 146	87 539 378	
Year	762 052 334	752 190 099	817 701 540	868 688 728	982 451 003	1 133 824 188	

1/ Preliminary.

Table 6 – Annual percentage change in the value of sales of the manufacturing industry: Total

Month	2002	2003	2004	2005	2006	2007	2008
Jan	-	9,9	1,3	5,3	10,7	21,1	12,3
Feb	-	7,1	3,6	3,9	6,9	24,4	16,3
Mar	-	4,7	8,4	1,7	11,4	20,1	14,6
Apr	-	-2,7	4,3	11,0	1,6	21,1	29,7
May	-	-3,5	10,7	4,6	11,0	20,9	18,6
Jun	-	-0,3	9,3	6,9	13,6	12,6	27,1
Jul	-	-2,3	9,3	6,3	14,8	12,2	29,7
Aug	-	-4,4	10,4	8,5	16,0	13,6	20,9
Sep	-	-5,5	12,6	7,7	14,4	6,4	25,7
Oct	-	-4,7	8,7	4,0	20,9	13,9	16,4
Nov	-	-7,1	14,1	5,5	19,7	12,6	8,4
Dec	-	-1,5	10,1	9,8	12,9	11,1	
Year	-	-1,3	8,7	6,2	13,1	15,4	

The percentage change is the change in the sales of the manufacturing industry of the relevant year compared with the sales of the previous year expressed as a percentage.

Table 7 – Total seasonally adjusted sales of the manufacturing industry (R'000)

Month	2002	2003	2004	2005	2006	2007	2008
Jan	58 700 647	64 401 987	64 990 884	68 450 817	75 529 820	91 136 100	101 675 133
Feb	59 547 689	63 991 454	66 567 042	69 338 568	74 218 526	92 445 913	107 878 760
Mar	59 358 236	62 532 230	68 089 566	69 372 017	77 442 926	93 085 302	106 989 802
Apr	65 852 966	63 844 973	66 434 820	73 938 982	75 269 063	91 088 815	117 988 230
May	63 822 303	61 607 458	68 270 644	71 517 720	79 448 268	95 933 284	113 591 912
Jun	61 832 439	61 929 494	67 864 431	72 493 807	82 194 800	92 323 672	117 289 727
Jul	64 512 300	62 876 199	68 389 599	72 460 181	82 967 050	93 050 073	120 358 035
Aug	64 876 261	61 884 525	68 011 093	73 479 654	84 856 478	96 287 979	116 240 825
Sep	65 907 631	62 012 794	69 612 243	74 835 136	85 671 904	91 472 181	115 331 417
Oct	66 445 913	63 326 145	68 951 316	71 829 054	87 016 317	99 232 169	115 665 966
Nov	66 133 648	61 319 136	70 022 900	73 637 467	88 387 507	99 611 521	108 061 491
Dec	63 797 771	63 136 208	69 627 124	76 827 752	87 448 905	96 709 495	

Table 8a – Sales of manufactured products according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year 2007	Actual values			Seasonally adjusted values		
		November 2007	1/ October 2008	1/ November 2008	November 2007	October 2008	November 2008
Food and beverages	191 280 333	18 711 756	21 912 815	22 421 303	17 057 046	20 521 520	20 467 985
-Meat, fish, fruit etc.	47 533 498	4 465 325	5 688 026	5 586 538	4 164 920	5 293 813	5 227 476
-Dairy products	16 243 788	1 575 486	1 768 582	1 735 486	1 458 664	1 628 339	1 606 572
-Grain mill products	35 331 934	3 445 030	4 298 056	4 348 684	3 280 045	4 208 786	4 143 282
-Other food products	42 111 462	4 482 573	4 731 329	5 144 521	3 854 587	4 287 197	4 407 138
-Beverages	50 059 651	4 743 342	5 426 822	5 606 074	4 298 830	5 103 384	5 083 517
Textiles, clothing, leather and footwear	40 680 698	4 276 612	4 079 223	4 200 264	3 543 031	3 547 597	3 475 139
-Textiles	6 541 155	646 040	649 101	631 128	568 038	583 989	553 243
-Other textile products	10 292 874	1 064 645	985 347	1 034 582	874 177	867 490	848 742
-Knitted, crocheted articles	1 828 314	180 180	188 326	182 187	157 853	169 958	158 507
-Wearing apparel	14 627 431	1 625 852	1 492 946	1 612 484	1 275 520	1 283 374	1 265 765
-Leather and leather products	4 228 274	387 682	376 714	369 327	369 186	338 132	351 393
-Footwear	3 162 650	372 213	386 789	370 556	298 258	304 654	297 489
Wood and wood products, paper, publishing and printing	100 400 647	10 012 841	10 722 084	10 946 523	8 835 486	9 784 114	9 688 091
-Sawmilling and planing of wood	7 925 755	779 010	752 619	735 252	700 584	677 416	662 106
-Products of wood	17 495 078	1 777 293	1 807 101	1 806 304	1 517 429	1 572 397	1 544 860
-Paper and paper products	40 527 758	3 871 520	4 574 661	4 710 901	3 542 978	4 394 766	4 308 866
-Publishing	15 083 782	1 454 540	1 438 267	1 437 235	1 276 359	1 298 957	1 262 234
-Printing, recorded media	19 368 274	2 130 478	2 149 436	2 256 831	1 798 135	1 840 577	1 910 024
Petroleum, chemical products, rubber and plastic products	239 298 878	23 941 199	30 625 585	28 336 510	21 720 773	28 265 152	25 639 489
-Coke, petroleum products and nuclear fuel	86 358 423	8 440 100	10 233 516	9 277 786	8 351 086	10 103 821	9 181 916
-Basic chemicals	52 421 118	5 225 328	8 708 933	7 016 434	4 575 708	7 736 002	6 163 348
-Other chemical products	54 957 891	5 544 589	6 383 731	6 539 438	4 766 605	5 672 748	5 611 219
-Rubber products	10 217 878	1 015 297	1 064 118	1 100 595	902 972	1 008 571	977 780
-Plastic products	35 343 568	3 715 885	4 235 287	4 402 257	3 124 402	3 744 010	3 705 226
Glass and non-metallic mineral products	33 300 539	3 293 608	3 578 777	3 484 823	2 873 092	3 126 437	3 026 809
-Glass and glass products	5 834 297	615 508	689 578	793 430	487 048	592 852	628 688
-Non-metallic mineral products	27 466 242	2 678 100	2 889 199	2 691 393	2 386 044	2 533 586	2 398 120
Basic iron and steel, non-ferrous metal products, metal products and machinery	249 464 213	23 175 177	27 541 131	24 049 735	21 435 349	25 487 995	22 232 207
-Basic iron and steel products	93 724 513	8 515 994	11 003 664	7 991 792	8 234 226	10 435 363	7 753 362
-Non-ferrous metal products	38 935 281	3 523 436	4 096 596	3 544 728	3 291 639	3 828 560	3 324 314
-Structural metal products	19 849 436	2 019 542	2 362 970	2 279 814	1 801 592	2 089 407	2 036 708
-Other fabricated metal products	38 442 763	3 740 018	4 424 895	4 583 051	3 256 531	4 022 188	3 984 892
-General purpose machinery	21 932 921	2 015 815	2 107 747	2 094 676	1 836 221	1 900 638	1 913 193
-Special purpose machinery	26 930 080	2 425 282	2 589 132	2 610 367	2 227 997	2 379 474	2 416 791
-Household appliances	9 649 219	935 090	956 127	945 307	787 144	832 365	802 947
-Electrical machinery	33 733 841	3 276 261	3 626 061	3 606 074	2 908 865	3 357 759	3 211 039
Radio, television and communication apparatus and professional equipment	13 324 902	1 260 995	1 292 291	1 367 095	1 122 709	1 230 068	1 216 352
-Radio, television and communication apparatus	5 956 698	573 101	598 606	601 962	497 922	555 707	522 176
-Professional equipment	7 368 204	687 894	693 685	765 133	624 787	674 362	694 176
Motor vehicles, parts and accessories and other transport equipment	176 807 942	17 170 654	16 790 684	15 640 783	15 318 683	15 110 083	13 970 268
-Motor vehicles	87 304 412	8 611 898	8 547 174	8 290 593	7 615 216	7 574 881	7 339 341
-Bodies for motor vehicles, trailers and semi-trailers	9 676 437	1 030 036	1 074 766	1 049 142	851 088	937 727	870 268
-Parts and accessories	67 353 836	6 433 215	5 792 929	4 873 960	5 810 901	5 290 760	4 411 244
-Other transport equipment	12 473 257	1 095 505	1 375 815	1 427 088	1 041 478	1 306 714	1 349 415
Furniture and other manufacturing division	55 532 195	5 525 125	5 773 655	5 896 265	4 796 488	5 235 241	5 134 113
-Furniture	13 389 662	1 551 643	1 516 164	1 564 350	1 162 846	1 169 809	1 169 102
-Other manufacturing groups	42 142 533	3 973 482	4 257 491	4 331 915	3 633 643	4 065 432	3 965 011
Total	1 133 824 188	110 644 228	125 942 306	119 949 375	99 611 521	115 665 966	108 061 491

1/ Preliminary.

**Table 8b – Sales of manufactured products according to manufacturing divisions and major groups (R'000)
(concluded)**

Manufacturing divisions and major groups	Year 2007	Value of sales			Seasonally adjusted value of sales		
		November 2007	1/ November 2008	Percentage change between November 2007 and November 2008	October 2008	November 2008	Percentage change between October and November 2008
Food and beverages	191 280 333	18 711 756	22 421 303	19,8	20 521 520	20 467 985	-0,3
-Meat, fish, fruit etc.	47 533 498	4 465 325	5 586 538	25,1	5 293 813	5 227 476	-1,3
-Dairy products	16 243 788	1 575 486	1 735 486	10,2	1 628 339	1 606 572	-1,3
-Grain mill products	35 331 934	3 445 030	4 348 684	26,2	4 208 786	4 143 282	-1,6
-Other food products	42 111 462	4 482 573	5 144 521	14,8	4 287 197	4 407 138	2,8
-Beverages	50 059 651	4 743 342	5 606 074	18,2	5 103 384	5 083 517	-0,4
Textiles, clothing, leather and footwear	40 680 698	4 276 612	4 200 264	-1,8	3 547 597	3 475 139	-2,0
-Textiles	6 541 155	646 040	631 128	-2,3	583 989	553 243	-5,3
-Other textile products	10 292 874	1 064 645	1 034 582	-2,8	867 490	848 742	-2,2
-Knitted, crocheted articles	1 828 314	180 180	182 187	1,1	169 958	158 507	-6,7
-Wearing apparel	14 627 431	1 625 852	1 612 484	-0,8	1 283 374	1 265 765	-1,4
-Leather and leather products	4 228 274	387 682	369 327	-4,7	338 132	351 393	3,9
-Footwear	3 162 650	372 213	370 556	-0,4	304 654	297 489	-2,4
Wood and wood products, paper, publishing and printing	100 400 647	10 012 841	10 946 523	9,3	9 784 114	9 688 091	-1,0
-Sawmilling and planing of wood	7 925 755	779 010	735 252	-5,6	677 416	662 106	-2,3
-Products of wood	17 495 078	1 777 293	1 806 304	1,6	1 572 397	1 544 860	-1,8
-Paper and paper products	40 527 758	3 871 520	4 710 901	21,7	4 394 766	4 308 866	-2,0
-Publishing	15 083 782	1 454 540	1 437 235	-1,2	1 298 957	1 262 234	-2,8
-Printing, recorded media	19 368 274	2 130 478	2 256 831	5,9	1 840 577	1 910 024	3,8
Petroleum, chemical products, rubber and plastic products	239 298 878	23 941 199	28 336 510	18,4	28 265 152	25 639 489	-9,3
-Coke, petroleum products and nuclear fuel	86 358 423	8 440 100	9 277 786	9,9	10 103 821	9 181 916	-9,1
-Basic chemicals	52 421 118	5 225 328	7 016 434	34,3	7 736 002	6 163 348	-20,3
-Other chemical products	54 957 891	5 544 589	6 539 438	17,9	5 672 748	5 611 219	-1,1
-Rubber products	10 217 878	1 015 297	1 100 595	8,4	1 008 571	977 780	-3,1
-Plastic products	35 343 568	3 715 885	4 402 257	18,5	3 744 010	3 705 226	-1,0
Glass and non-metallic mineral products	33 300 539	3 293 608	3 484 823	5,8	3 126 437	3 026 809	-3,2
-Glass and glass products	5 834 297	615 508	793 430	28,9	592 852	628 688	6,0
-Non-metallic mineral products	27 466 242	2 678 100	2 691 393	0,5	2 533 586	2 398 120	-5,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	249 464 213	23 175 177	24 049 735	3,8	25 487 995	22 232 207	-12,8
-Basic iron and steel products	93 724 513	8 515 994	7 991 792	-6,2	10 435 363	7 753 362	-25,7
-Non-ferrous metal products	38 935 281	3 523 436	3 544 728	0,6	3 828 560	3 324 314	-13,2
-Structural metal products	19 849 436	2 019 542	2 279 814	12,9	2 089 407	2 036 708	-2,5
-Other fabricated metal products	38 442 763	3 740 018	4 583 051	22,5	4 022 188	3 984 892	-0,9
-General purpose machinery	21 932 921	2 015 815	2 094 676	3,9	1 900 638	1 913 193	0,7
-Special purpose machinery	26 930 080	2 425 282	2 610 367	7,6	2 379 474	2 416 791	1,6
-Household appliances	9 649 219	935 090	945 307	1,1	832 365	802 947	-3,5
Electrical machinery	33 733 841	3 276 261	3 606 074	10,1	3 357 759	3 211 039	-4,4
Radio, television and communication apparatus and professional equipment	13 324 902	1 260 995	1 367 095	8,4	1 230 068	1 216 352	-1,1
-Radio, television and communication apparatus	5 956 698	573 101	601 962	5,0	555 707	522 176	-6,0
-Professional equipment	7 368 204	687 894	765 133	11,2	674 362	694 176	2,9
Motor vehicles, parts and accessories and other transport equipment	176 807 942	17 170 654	15 640 783	-8,9	15 110 083	13 970 268	-7,5
-Motor vehicles	87 304 412	8 611 898	8 290 593	-3,7	7 574 881	7 339 341	-3,1
-Bodies for motor vehicles, trailers and semi-trailers	9 676 437	1 030 036	1 049 142	1,9	937 727	870 268	-7,2
-Parts and accessories	67 353 836	6 433 215	4 873 960	-24,2	5 290 760	4 411 244	-16,6
-Other transport equipment	12 473 257	1 095 505	1 427 088	30,3	1 306 714	1 349 415	3,3
Furniture and other manufacturing division	55 532 195	5 525 125	5 896 265	6,7	5 235 241	5 134 113	-1,9
-Furniture	13 389 662	1 551 643	1 564 350	0,8	1 169 809	1 169 102	-0,1
-Other manufacturing groups	42 142 533	3 973 482	4 331 915	9,0	4 065 432	3 965 011	-2,5
Total	1 133 824 188	110 644 228	119 949 375	8,4	115 665 966	108 061 491	-6,6

1/ Preliminary.

Table 9 – Percentage change between the current quarter and the corresponding quarter of the previous year in the physical volume of manufacturing production and sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)			Value of sales (R '000)		
		September to November 2007	September to November 2008	Annual percentage change between September to November 2007 and September to November 2008	September to November 2007	September to November 2008	Annual percentage change between September to November 2007 and September to November 2008
Food and beverages	16,4	134,1	141,6	5,6	53 075 598	64 429 663	21,4
-Meat, fish, fruit etc.	2,6	131,2	140,9	7,4	12 976 443	16 458 482	26,8
-Dairy products	1,1	118,8	122,6	3,2	4 579 220	5 148 880	12,4
-Grain mill products	1,5	131,6	138,4	5,2	9 876 406	12 785 589	29,5
-Other food products	6,8	126,3	127,7	1,1	12 123 286	14 224 372	17,3
-Beverages	4,3	153,1	170,1	11,1	13 520 243	15 812 340	17,0
Textiles, clothing, leather and footwear	5,4	118,7	113,3	-4,5	11 798 184	11 833 105	0,3
-Textiles	1,2	87,5	79,8	-8,8	1 809 075	1 851 731	2,4
-Other textile products	1,2	138,3	127,8	-7,6	2 907 662	2 828 123	-2,7
-Knitted, crocheted articles	0,3	89,8	93,7	4,3	502 485	528 412	5,2
-Wearing apparel	2,0	134,9	133,0	-1,4	4 402 977	4 419 058	0,4
-Leather and leather products	0,3	111,9	98,3	-12,2	1 168 204	1 109 863	-5,0
-Footwear	0,4	105,3	105,1	-0,2	1 007 781	1 095 918	8,7
Wood and wood products, paper, publishing and printing	11,0	128,3	131,6	2,6	28 227 245	31 909 194	13,0
-Sawmilling and planing of wood	0,7	120,4	113,6	-5,6	2 192 234	2 196 032	0,2
-Products of wood	1,0	151,9	142,3	-6,3	5 102 970	5 301 093	3,9
-Paper and paper products	4,8	121,0	137,8	13,9	11 070 084	13 959 482	26,1
-Publishing	2,4	134,0	124,0	-7,5	4 112 751	4 209 749	2,4
-Printing, recorded media	2,1	129,4	127,1	-1,8	5 749 206	6 242 838	8,6
Petroleum, chemical products, rubber and plastic products	22,5	136,5	139,7	2,3	67 939 326	88 140 052	29,7
-Coke, petroleum products and nuclear fuel	9,1	101,8	86,5	-15,0	24 324 743	30 544 578	25,6
-Basic chemicals	4,0	157,4	193,6	23,0	14 887 813	23 186 300	55,7
-Other chemical products	5,4	155,7	169,5	8,9	15 536 368	18 677 562	20,2
-Rubber products	1,1	91,2	89,1	-2,3	2 837 399	3 201 109	12,8
-Plastic products	3,0	198,0	196,4	-0,8	10 353 003	12 530 503	21,0
Glass and non-metallic mineral products	3,9	149,3	153,5	2,8	9 395 700	10 371 364	10,4
-Glass and glass products	1,1	174,6	208,4	19,4	1 716 616	2 103 761	22,6
-Non-metallic mineral products	2,9	139,9	133,0	-4,9	7 679 084	8 267 603	7,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	133,0	122,6	-7,8	67 277 314	78 646 610	16,9
-Basic iron and steel products	5,5	110,2	85,4	-22,5	24 251 146	30 889 355	27,4
-Non-ferrous metal products	4,7	121,4	112,9	-7,0	10 381 890	11 243 976	8,3
-Structural metal products	1,3	161,9	151,8	-6,2	5 910 009	6 794 435	15,0
-Other fabricated metal products	4,2	154,5	156,6	1,4	11 035 989	13 102 735	18,7
-General purpose machinery	2,4	129,9	107,7	-17,1	6 032 904	6 264 297	3,8
-Special purpose machinery	3,2	149,7	150,8	0,7	7 022 433	7 643 752	8,8
-Household appliances	1,2	141,1	140,8	-0,2	2 642 943	2 708 060	2,5
-Electrical machinery	2,7	121,1	131,6	8,7	9 672 657	10 966 259	13,4
Radio, television and communication apparatus and professional equipment	1,3	127,6	134,3	5,3	3 655 302	3 913 654	7,1
-Radio, television and communication apparatus	0,7	109,7	119,6	9,0	1 645 295	1 775 977	7,9
-Professional equipment	0,6	145,8	149,2	2,3	2 010 007	2 137 677	6,4
Motor vehicles, parts and accessories and other transport equipment	8,6	152,0	139,7	-8,1	47 660 168	48 872 488	2,5
-Motor vehicles	4,1	148,8	141,8	-4,7	23 762 069	25 124 916	5,7
-Bodies for motor vehicles, trailers and semi-trailers	0,4	244,2	277,4	13,6	2 748 739	3 116 916	13,4
-Parts and accessories	3,1	160,5	130,9	-18,4	17 932 501	16 677 448	-7,0
-Other transport equipment	1,0	104,2	107,3	3,0	3 216 859	3 953 208	22,9
Furniture and other manufacturing division	5,8	142,0	140,4	-1,1	15 715 785	16 982 653	8,1
-Furniture	1,6	175,0	170,3	-2,7	4 165 526	4 290 709	3,0
-Other manufacturing groups	4,2	129,5	129,1	-0,3	11 550 259	12 691 944	9,9
Total	100,0	135,1	134,1	-0,7	314 417 279	366 065 042	16,4

Table 10 – Annual percentage change in the physical volume of manufacturing production and value of sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)				Value of sales (R million)			
		Jan. to Nov. 2007	Jan. to Nov. 2008	Annual percentage change between 2007 and 2008	Contribution (percentage points)	Jan. to Nov. 2007	Jan. to Nov. 2008	Annual percentage change between 2007 and 2008	Difference in sales between 2007 and 2008
Food and beverages	16,4	124,4	129,0	3,7	0,6	172 724	209 891	21,5	37 167
-Meat, fish, fruit etc.	2,6	130,8	139,0	6,3	0,2	43 111	54 582	26,6	11 471
-Dairy products	1,1	111,6	113,2	1,4	0,0	14 717	17 256	17,3	2 539
-Grain mill products	1,5	129,9	133,7	2,9	0,0	32 030	42 597	33,0	10 567
-Other food products	6,8	112,6	114,3	1,5	0,1	38 490	45 428	18,0	6 938
-Beverages	4,3	140,6	148,7	5,8	0,2	44 376	50 028	12,7	5 652
Textiles, clothing, leather and footwear	5,4	104,8	104,3	-0,5	0,0	37 871	39 156	3,4	1 285
-Textiles	1,2	83,1	76,6	-7,8	-0,1	6 179	6 179	0,0	0
-Other textile products	1,2	122,2	120,7	-1,2	0,0	9 653	9 672	0,2	19
-Knitted, crocheted articles	0,3	85,3	89,1	4,5	0,0	1 722	1 862	8,1	140
-Wearing apparel	2,0	115,1	117,2	1,8	0,0	13 459	14 127	5,0	668
-Leather and leather products	0,3	104,0	105,3	1,3	0,0	3 945	4 110	4,2	165
-Footwear	0,4	87,0	90,0	3,4	0,0	2 914	3 206	10,0	292
Wood and wood products, paper, publishing and printing	11,0	118,6	120,6	1,7	0,2	92 876	102 996	10,9	10 120
-Sawmilling and planing of wood	0,7	120,2	111,7	-7,1	0,0	7 449	7 662	2,9	213
-Products of wood	1,0	138,4	132,5	-4,3	0,0	16 366	17 477	6,8	1 111
-Paper and paper products	4,8	113,7	127,4	12,0	0,6	37 246	44 777	20,2	7 531
-Publishing	2,4	124,2	114,9	-7,5	-0,2	13 787	13 876	0,6	89
-Printing, recorded media	2,1	113,3	109,2	-3,6	-0,1	18 028	19 204	6,5	1 176
Petroleum, chemical products, rubber and plastic products	22,5	124,8	134,9	8,1	1,8	219 148	297 491	35,7	78 343
-Coke, petroleum products and nuclear fuel	9,1	96,2	97,2	1,0	0,1	77 618	118 151	52,2	40 533
-Basic chemicals	4,0	142,8	177,2	24,1	1,0	48 453	71 075	46,7	22 622
-Other chemical products	5,4	141,9	151,7	6,9	0,4	50 848	58 197	14,5	7 349
-Rubber products	1,1	85,3	89,7	5,2	0,1	9 567	11 031	15,3	1 464
-Plastic products	3,0	172,7	180,8	4,7	0,1	32 663	39 037	19,5	6 374
Glass and non-metallic mineral products	3,9	138,8	140,4	1,2	0,0	31 147	33 825	8,6	2 678
-Glass and glass products	1,1	155,6	171,1	10,0	0,1	5 373	6 007	11,8	634
-Non-metallic mineral products	2,9	132,5	129,0	-2,6	-0,1	25 774	27 818	7,9	2 044
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	127,9	123,5	-3,4	-0,8	231 579	281 179	21,4	49 600
-Basic iron and steel products	5,5	112,4	103,4	-8,0	-0,5	86 775	121 187	39,7	34 412
-Non-ferrous metal products	4,7	119,2	112,9	-5,3	-0,2	36 156	38 922	7,7	2 766
-Structural metal products	1,3	140,2	148,0	5,6	0,1	18 565	22 650	22,0	4 085
-Other fabricated metal products	4,2	144,4	145,8	1,0	0,0	36 163	42 212	16,7	6 049
-General purpose machinery	2,4	121,1	108,6	-10,3	-0,2	20 217	21 408	5,9	1 191
-Special purpose machinery	3,2	143,9	144,3	0,3	0,0	24 641	25 934	5,2	1 293
-Household appliances	1,2	133,8	129,2	-3,4	0,0	9 062	8 866	-2,2	-196
-Electrical machinery	2,7	109,0	122,1	12,0	0,3	31 536	37 266	18,2	5 730
Radio, television and communication apparatus and professional equipment	1,3	118,4	122,4	3,4	0,0	12 354	13 011	5,3	657
-Radio, television and communication apparatus	0,7	101,0	109,8	8,7	0,1	5 498	5 907	7,4	409
-Professional equipment	0,6	136,0	135,2	-0,6	0,0	6 856	7 104	3,6	248
Motor vehicles, parts and accessories and other transport equipment	8,6	149,1	143,6	-3,7	-0,3	165 871	180 893	9,1	15 022
-Motor vehicles	4,1	145,3	137,6	-5,3	-0,2	81 789	88 084	7,7	6 295
-Bodies for motor vehicles, trailers and semi-trailers	0,4	225,4	248,6	10,3	0,0	9 085	10 092	11,1	1 007
-Parts and accessories	3,1	158,9	150,7	-5,2	-0,2	63 354	69 104	9,1	5 750
-Other transport equipment	1,0	105,2	106,8	1,5	0,0	11 644	13 613	16,9	1 969
Furniture and other manufacturing division	5,8	121,1	123,6	2,1	0,1	51 177	57 820	13,0	6 643
-Furniture	1,6	144,7	143,7	-0,7	0,0	12 440	12 782	2,7	342
-Other manufacturing groups	4,2	112,3	116,0	3,3	0,1	38 737	45 038	16,3	6 301
Total	100,0	125,6	127,9	1,8	1,8	1 046 285	1 253 526	19,8	207 241

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing group or division with the weight of the group or division, divided by 100.

Explanatory notes

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the new business register, with enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.
 - 2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2000. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month has had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.
 - 4 As indicated earlier, Stats SA is continuously upgrading its new business register, based on units registered for value-added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the Gross Domestic Product (GDP).
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities (ISIC)* with suitable adaptations for local conditions. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level. Each enterprise is classified to an industry which reflects its predominant activity.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for November 2008 was 64,6%. The lower than expected response rate was mainly as a result of earlier closures by some of the survey respondents, leading to a shorter collection period.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

- Survey methodology and design**
- 11 The survey is conducted monthly. Questionnaires are sent to a sample of approximately 3 000 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up non-respondents.
 - 12 The value of sales of manufactured products is obtained monthly from the sample of 3 042 enterprises, which was drawn in April 2008 from a population then of 56 553 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size groups two, three and four of that major group to reflect the total value of sales of the major group.
 - 13 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
 - 14 More direct indicators are used for the value of production of tobacco, coke and refined petroleum products, basic iron and steel products, basic precious and non-ferrous metal products, motor vehicles and parts and accessories for motor vehicles. The volume indices for these major groups are calculated on the basis of physical quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).
- Weighting methodology**
- 15 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at www.statssa.gov.za/publications/publicationsearch.asp.
 - 16 For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing or large sample survey of the manufacturing industry. For the period 1996 to 2000, the weights are based on the 1996 Census of Manufacturing and for the period 2001 to 2008, the weights are based on the 2001 large sample survey of the manufacturing industry. Weights between census years are fixed. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total physical volume of manufacturing production (see table E for the fixed weights which were used for the two periods 1996 to 2000 and 2001 to 2008).
- Seasonal adjustment**
- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Programme developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.

Technical notes

26 Neyman optimal allocation

Before drawing a sample in the survey the population of enterprises on the BSF was stratified. Strata were formed using a combination of Standard Industrial Classification variable and the measure of size variable for enterprises. The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below.

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

where N_h and S_h are the stratum population size and the stratum variance, respectively.

Class limits: Manufacturing

Enterprise size	Lower limits	Upper limits
Very small	0	12 500 000
Small	12 500 001	32 500 000
Medium	32 500 001	127 500 000
Large	127 500 001	

Glossary

Enterprise	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.
Index of physical volume of manufacturing production	The index of physical volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The base period is 2000. The production in the base period is set at 100.
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>1993 Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
Intermediate consumption	Intermediate consumption includes - <ul style="list-style-type: none">• purchases and transfers-in of materials;• payments to other establishments for work done;• other direct factory costs;• rent and leasing paid;• head office charges;• royalties, copyright, trade names and patent rights paid;• advertising;• insurance premiums;• services; and• secretarial and administrative fees.
Output	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none">• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;• repairs;• installation, erection and assembly;• sundry trading revenue;• sales of factored goods minus purchases of factored goods;• rent and leasing received;• royalties received;• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;• head office charges; and• other revenue. Output excludes excise and customs duty paid.
Value added	Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.
Sales	Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.
Turnover	Turnover refers to - <ul style="list-style-type: none">• the value of sales and transfers out of all own manufactured products/articles;• amounts received for work done; and• amounts received for services rendered.

Turnover excludes -

- value-added tax (VAT);
- export freight charges; and
- excise duty.

Weight

The weight of a major group of manufacturing in the overall index for manufacturing is the ratio of the value added of the major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight reflects the importance of the major group in the total. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights need to be calculated from time to time.

Table E – Weights according to manufacturing major groups

Manufacturing divisions and major groups	Weights according to the 2001 large sample survey of the manufacturing industry 2001 - 2008	Weights according to the 1996 census of manufacturing 1996 - 2000
Food and beverages	16,4	15,3
Meat, fish, fruit, etc.	2,6	2,8
Dairy products	1,1	1,4
Grain mill products	1,5	2,1
Other food products	6,8	4,4
Beverages	4,3	4,6
Textiles, clothing, leather and footwear	5,4	7,8
Textiles	1,2	1,7
Other textile products	1,2	1,2
Knitted, crocheted articles	0,3	0,6
Wearing apparel	2,0	3,0
Tanning, dressing of leather	0,3	0,4
Footwear	0,4	0,9
Wood and wood products, paper, publishing and printing	11,0	11,4
Sawmilling and planing of wood	0,7	0,8
Products of wood	1,0	1,2
Paper and paper products	4,8	5,3
Publishing	2,4	1,5
Printing, recorded media	2,1	2,6
Petroleum, chemical products, rubber and plastic products	22,5	19,3
Petroleum products	9,1	4,2
Basic chemicals	4,0	4,5
Other chemical products	5,4	6,2
Rubber products	1,1	1,4
Plastic products	3,0	3,1
Glass and non-metallic mineral products	3,9	4,5
Glass and glass products	1,1	1,0
Non-metallic mineral products	2,9	3,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	23,6
Basic iron and steel products	5,5	7,6
Non-ferrous metal products	4,7	3,2
Structural metal products	1,3	2,4
Other fabricated metal products	4,2	4,6
General purpose machinery	2,4	2,5
Special purpose machinery	3,2	2,9
Household appliances	1,2	0,4
Electrical machinery	2,7	3,4
Radio, television and communication apparatus and professional equipment	1,3	1,5
Radio, television and communication apparatus	0,7	1,0
Professional equipment	0,6	0,5
Motor vehicles, parts and accessories and other transport equipment	8,6	9,1
Motor vehicles	4,1	4,5
Bodies for motor vehicles, trailers and semi-trailers	0,4	0,5
Parts and accessories	3,1	3,0
Other transport equipment	1,0	1,0
Other manufacturing divisions	5,8	4,1
Furniture	1,6	1,6
Other manufacturing groups	4,2	2,6
Total	100,0	100,0

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