

# **Manufacturing: Production and sales**

## **Preliminary: May 2006**

**Embargoed until:  
12 July 2006  
13:00**

**Table A - Selected key figures regarding manufacturing production and sales for May 2006**

<b>Estimates</b>	<b>May 2006</b>	<b>% change between May 2005 and May 2006</b>	<b>% change between March to May 2005 and March to May 2006</b>	<b>% change between January to May 2005 and January to May 2006</b>
Physical volume of manufacturing production index (2000=100)	118,4	+5,1	+3,7	+4,1
Total value of sales of manufactured products (R million)	77 573	+10,9	+8,6	+8,8

<b>Seasonally adjusted estimates</b>	<b>May 2006</b>	<b>% change between April and May 2006</b>	<b>% change between December 2005 to February 2006 and March to May 2006</b>
Physical volume of manufacturing production index (2000=100)	117,8	+2,0	0,0
Total value of sales of manufactured products (R million)	76 839	+4,5	+1,9

**Key findings regarding manufacturing production and sales for January to May 2006**

**Manufacturing production increases**

*The estimated manufacturing production for the first five months of 2006 increased notably by 4,1% compared with the first five months of 2005. Higher production levels were reported by eight of the ten manufacturing divisions. Manufacturers reported increased production and sales in May 2006 due to a longer working month after the public holidays in April 2006.*

The manufacturing divisions with the largest contribution to the year on year increase between January to May 2005 and January to May 2006, were the motor vehicles, parts and accessories and transport equipment division (contributing +1,5 percentage points), the divisions basic iron and steel, non-ferrous metal products, metal products and machinery and the wood products, paper, publishing and printing (each contributing +0,6 of a percentage point) and the ‘other’ manufacturing divisions (contributing +0,4 of a percentage point). The textiles, clothing, leather and footwear division, reported negative growth for the first five months of 2006 compared with the same period of 2005 (contributing -0,1 of a percentage point (see Table 8).

However, manufacturing production after seasonal adjustment remained on the same level for the latest three months ended May 2006 compared with the previous three months. The manufacturing divisions that contributed positively to the level of seasonally adjusted production between the three months ended May 2006 and the previous three months were the food and beverages division (contributing +0,3 of a percentage point), the wood and wood products, paper, publishing and printing division (contributing +0,2 of a percentage point), the textiles, clothing, leather and footwear division and the basic iron and steel, non-ferrous metal products, metal products and machinery division (each contributing +0,1 of a percentage point) (see Table B).

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

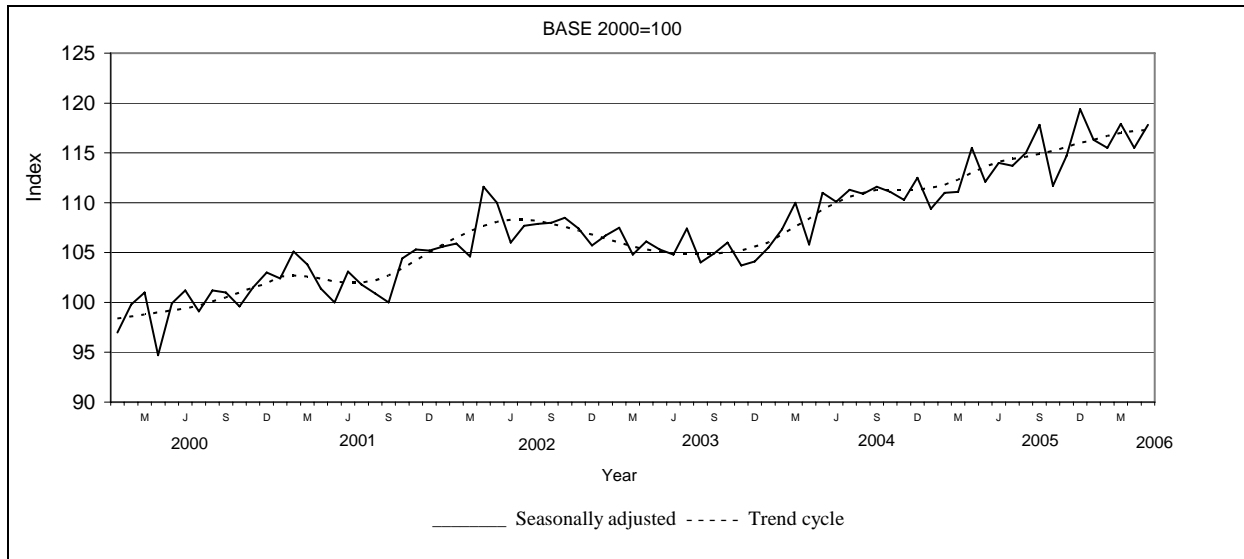
(Base 2000=100)

Manufacturing divisions and major groups	Percentage contribution to the total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2001	Average seasonally adjusted production index for December 2005 to February 2006	Average seasonally adjusted production index for March to May 2006	Quarterly percentage change of March to May 2006 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	118,6	121,1	+2,1	+0,3
Food and food products	12,1	111,8	116,5	+4,2	+0,5
Beverages	4,3	137,5	134,0	-2,5	-0,1
Textiles, clothing, leather and footwear	5,4	97,5	98,8	+1,3	+0,1
Textiles	2,4	97,7	94,9	-2,9	-0,1
Wearing apparel	2,3	99,3	102,4	+3,1	+0,1
Leather and leather products	0,3	104,6	100,3	-4,1	-0,0
Footwear	0,4	82,3	100,3	+21,9	+0,1
Wood,paper,publish and printing	11,0	112,1	114,1	+1,8	+0,2
Wood and products of wood	1,7	122,8	124,3	+1,2	+0,0
Paper and paper products	4,8	105,6	109,5	+3,7	+0,2
Publishing and printing	4,6	114,7	115,0	+0,3	+0,0
Petroleum, chemical products, rubber and plastic products	22,5	113,8	113,3	-0,4	-0,1
Coke, petroleum products and nuclear fuel	9,1	100,9	99,8	-1,1	-0,1
Basic chemicals	4,0	114,8	116,3	+1,3	+0,1
Other chemical products	5,4	128,1	126,6	-1,2	-0,1
Rubber products	1,1	84,1	87,0	+3,4	+0,0
Plastic products	3,0	137,9	136,8	-0,8	-0,0
Glass and non-metallic mineral products	3,9	130,1	124,5	-4,3	-0,2
Glass and glass products	1,1	143,4	144,2	+0,6	+0,0
Non-metallic mineral products	2,9	125,2	117,1	-6,5	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	117,0	117,4	+0,3	+0,1
Basic iron and steel products	5,5	106,6	105,2	-1,3	-0,1
Basic precious, non-ferrous metal products	4,7	120,4	121,2	+0,7	+0,0
Fabricated metal products	5,5	116,9	117,7	+0,7	+0,0
Machinery and equipment	6,7	123,6	124,8	+1,0	+0,1
Electrical machinery	2,7	99,6	95,8	-3,8	-0,1
Radio, television and communication apparatus and professional equipment	1,3	107,1	107,6	+0,5	+0,0
Radio, television and communication apparatus	0,7	81,6	94,3	+15,6	+0,1
Professional equipment	0,6	132,9	121,0	-9,0	-0,1
Motor vehicles, parts and accessories and other transport equipment	8,6	142,7	143,0	+0,2	+0,0
Motor vehicles, trailers, parts and accessories	7,6	149,7	149,8	+0,1	+0,0
Other transport equipment	1,0	88,5	91,1	+2,9	+0,0
Furniture and other manufacturing division	5,8	116,9	110,6	-5,4	-0,3
Furniture	1,6	139,1	138,5	-0,4	-0,0
Other manufacturing groups	4,2	108,6	100,1	-7,8	-0,3
Total	100,0	117,1	117,1	0,0	0,0

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 2000 and May 2006. The trend series has been rising since mid-2003 to September 2004, moving sideways up to December 2004 and resuming its upward trend in 2005 and 2006.

**Figure 1 – Index of the physical volume of manufacturing production**



**Sales of manufactured products increase**

*The estimated total value of sales of manufactured products at current prices for the three months ended May 2006 increased by 1,9% (+R4 280 million), after seasonal adjustment, compared with the previous three months. Higher manufacturing sales were reported by eight of the ten manufacturing divisions during this period (see Table C). The value of sales of manufactured products at current prices for the three months ended May 2006 was 8,6% higher than for the three months ended May 2005 (see Table D).*

The seasonally adjusted increase of 1,9% in the total value of sales of manufactured products at current prices for the three months ended May 2006 compared with the previous three months was mainly due to increases reported for wood and wood products, paper, publishing and printing division (+3,1% or +R609 million), petroleum, chemical products, rubber and plastic products division (+3,0% or +R1 365 million), textiles, clothing, leather and footwear division (+2,6% or +R256 million) and motor vehicles, parts and accessories and other transport equipment division (+1,7% or +R635 million) (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 December 2005 to February 2006	Seasonally adjusted sales March to May 2006	Percentage change between December 2005 to February 2006 and March to May 2006	Difference in seasonally adjusted sales of manufacturing divisions between December 2005 to February 2006 and March to May 2006
	R'000	R'000		R'000
Food and beverages	39 896 629	40 475 757	+1,5	579 128
Food and food products	29 638 213	30 424 260	+2,7	786 047
Beverages	10 258 413	10 051 496	-2,0	-206 917
Textiles, clothing, leather and footwear	9 782 892	10 038 617	+2,6	255 725
Textiles	4 261 229	4 341 757	+1,9	80 528
Wearing apparel	3 613 948	3 718 939	+2,9	104 991
Leather and leather products	1 175 502	1 148 136	-2,3	-27 366
Footwear	732 211	829 785	+13,3	97 574
Wood,paper,publish and printing	19 708 988	20 317 666	+3,1	608 678
Wood and products of wood	4 061 159	4 117 350	+1,4	56 191
Paper and paper products	8 417 794	8 837 851	+5,0	420 057
Publishing and printing	7 230 036	7 362 466	+1,8	132 430
Petroleum, chemical products, rubber and plastic products	44 856 200	46 220 787	+3,0	1 364 587
Coke, petroleum products and nuclear fuel	16 085 435	16 839 434	+4,7	753 999
Basic chemicals	8 889 322	9 275 811	+4,3	386 489
Other chemical products	12 016 615	12 046 642	+0,2	30 027
Rubber products	1 945 198	2 021 923	+3,9	76 725
Plastic products	5 919 632	6 036 976	+2,0	117 344
Glass and non-metallic mineral products	6 833 416	6 796 344	-0,5	-37 072
Glass and glass products	1 200 830	1 226 653	+2,2	25 823
Non-metallic mineral products	5 632 584	5 569 692	-1,1	-62 892
Basic iron and steel, non-ferrous metal products, metal products and machinery	43 679 803	44 550 906	+2,0	871 103
Basic iron and steel products	14 190 659	14 057 203	-0,9	-133 456
Basic precious, non-ferrous metal products	6 151 828	7 081 208	+15,1	929 380
Fabricated metal products	10 892 712	10 924 299	+0,3	31 587
Machinery and equipment	12 444 607	12 488 195	+0,4	43 588
Electrical machinery	5 403 102	5 323 229	-1,5	-79 873
Radio, television and communication apparatus and professional equipment	2 750 514	2 805 490	+2,0	54 976
Radio, television and communication apparatus	1 399 915	1 575 349	+12,5	175 434
Professional equipment	1 350 599	1 230 141	-8,9	-120 458
Motor vehicles, parts and accessories and other transport equipment	37 601 368	38 236 698	+1,7	635 330
Motor vehicles, trailers, parts and accessories	35 426 572	36 028 243	+1,7	601 671
Other transport equipment	2 174 795	2 208 454	+1,5	33 659
Furniture and other manufacturing division	10 975 374	11 002 819	+0,3	27 445
Furniture	2 726 226	2 766 630	+1,5	40 404
Other manufacturing groups	8 249 149	8 236 189	-0,2	-12 960
<b>Total</b>	<b>221 488 286</b>	<b>225 768 313</b>	<b>+1,9</b>	<b>4 280 027</b>

The major contributors to the increase of 8,6% in sales of manufactured products at current prices for the three months ended May 2006 compared with the three months ended May 2005 were the motor vehicles, parts and accessories and other transport equipment (+2,8 percentage points or +R5 807 million), petroleum, chemical products, rubber and plastic products (+2,3 percentage points or +R4 726 million), food and beverages (+1,2 percentage points or +R2 525 million), wood and wood products, paper, publishing and printing (+0,7 of a percentage point or +R1 370 million), furniture and 'other manufacturing' divisions (+0,6 of a percentage point or +R1 315 million), glass and non-metallic mineral products (+0,3 of a percentage point or +R550 million), electrical machinery (+0,2 of a percentage point or +R370 million) and textiles, clothing, leather and footwear (+0,2 of a percentage point or +R359 million) divisions (see Table D).

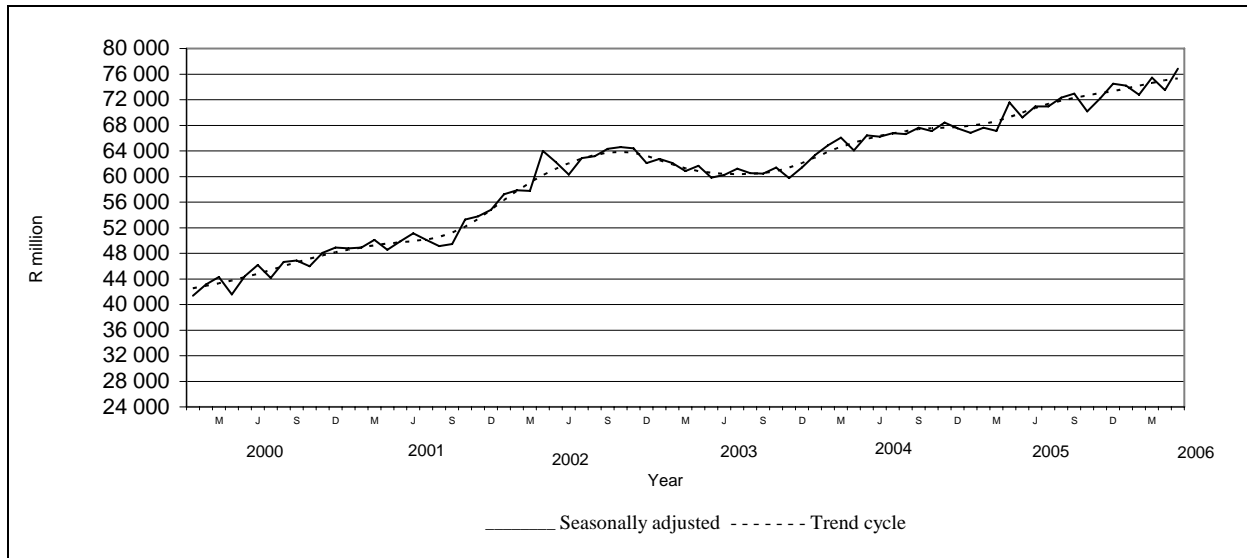
**Table D - Contribution of the manufacturing divisions and major groups to total value of sales of manufactured products at current prices**

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products March to May 2005	Percentage change between March to May 2005 and March to May 2006	Contribution (percentage points) to the percentage change in the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between March to May 2005 and March to May 2006
				R'000
Food and beverages	18,0	+6,8	+1,2	2 524 664
Food and food products	13,7	+6,7	+0,9	1 891 340
Beverages	4,4	+7,0	+0,3	633 324
Textiles, clothing, leather and footwear	4,8	+3,6	+0,2	359 344
Textiles	2,1	+2,7	+0,1	117 409
Wearing apparel	1,8	+1,5	-0,0	53 921
Leather and leather products	0,6	+2,1	-0,0	24 384
Footwear	0,3	+25,5	+0,1	163 630
Wood, paper, publish and printing	9,1	+7,3	+0,7	1 370 181
Wood and products of wood	1,9	+6,8	+0,1	264 592
Paper and paper products	3,9	+7,8	+0,3	630 763
Publishing and printing	3,3	+6,9	+0,2	474 826
Petroleum, chemical products, rubber and plastic products	20,0	+11,4	+2,3	4 725 746
Coke, petroleum products and nuclear fuel	6,8	+20,3	+1,4	2 879 999
Basic chemicals	4,0	+7,4	+0,3	617 609
Other chemical products	5,5	+6,4	+0,4	728 305
Rubber products	1,0	-3,9	-0,0	-84 261
Plastic products	2,6	+10,8	+0,3	584 094
Glass and non-metallic mineral products	2,9	+9,1	+0,3	550 361
Glass and glass products	0,5	+10,9	+0,1	108 712
Non-metallic mineral products	2,5	+8,7	+0,2	441 649
Basic iron and steel, non-ferrous metal products, metal products and machinery	21,4	+1,4	+0,3	602 806
Basic iron and steel products	7,8	-9,3	-0,7	-1 497 709
Basic precious, non-ferrous metal products	2,9	+17,8	+0,5	1 063 934
Fabricated metal products	4,9	+8,6	+0,4	880 573
Machinery and equipment	5,9	+1,3	+0,1	156 008
Electrical machinery	2,4	+7,4	+0,2	369 575
Radio, television and communication apparatus and professional equipment	1,3	+4,6	+0,1	121 583
Radio, television and communication apparatus	0,7	+11,3	+0,1	154 843
Professional equipment	0,6	-2,6	-0,0	-33 260
Motor vehicles, parts and accessories and other transport equipment	15,5	+18,0	+2,8	5 807 495
Motor vehicles, trailers, parts and accessories	14,4	+19,4	+2,8	5 811 953
Other transport equipment	1,1	-0,2	-0,0	-4 458
Furniture and other manufacturing division	4,5	+14,0	+0,6	1 315 403
Furniture	1,2	+11,0	+0,1	266 646
Other manufacturing groups	3,4	+15,0	+0,5	1 048 757
<b>Total</b>	<b>100,0</b>	<b>+8,6</b>	<b>+8,6</b>	<b>17 747 158</b>

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 2005, divided by 100.

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2000 and May 2006. After peaking in September 2002, the series declined until May 2003, before resuming its upward movement.

**Figure 2 - Total value of sales of manufactured products at current prices**



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**Notes**

<b>Forthcoming issues</b>	<b>Issue</b>	<b>Expected release date</b>
	June 2006	8 August 2006
<b>Purpose of the survey</b>	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).	
<b>Special Data Dissemination Standard of the IMF</b>	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.	
<b>Response rate</b>	The preliminary response rate for the survey on manufacturing production and sales for May 2006 was 77,3%. Improved response rate for April 2006 was 82,7%.	

**Detailed tables**

**Table 1 - Indices of the physical volume of manufacturing production: Total**

Month	2000	2001	2002	2003	2004	2005	2006
Actual indices							
J	85,2	91,1	93,7	94,4	93,1	96,2	101,8
F	98,7	102,7	103,6	104,3	103,6	106,3	110,3
M	104,8	106,8	108,2	108,4	114,1	114,9	1/ 121,7
A	89,0	95,3	104,4	100,0	100,3	109,2	1/ 109,3
M	99,9	100,2	110,3	105,7	111,6	112,7	1/ 118,4
J	102,1	104,0	106,7	105,3	110,5	114,3	
J	100,1	102,8	108,8	108,7	113,0	115,5	
A	102,5	102,3	109,8	106,3	113,7	118,1	
S	104,8	103,1	111,4	108,7	116,0	122,8	
O	109,8	114,9	119,6	116,7	122,5	123,4	
N	113,6	117,6	119,8	114,9	122,3	127,2	
D	89,5	92,5	92,7	91,5	99,0	104,6	
Year	100,0	102,8	107,4	105,4	110,0	113,8	
Seasonally adjusted indices							
J	97,0	102,6	105,8	107,1	105,4	109,4	116,3
F	99,8	105,1	105,9	107,7	107,4	111,0	115,5
M	100,9	103,8	104,7	104,9	110,5	111,1	117,9
A	94,8	101,5	111,8	106,4	105,9	115,5	115,5
M	100,0	100,0	110,0	105,3	110,9	112,1	117,8
J	101,2	103,1	105,9	104,7	110,1	114,0	
J	99,1	101,6	107,4	107,1	111,3	113,7	
A	101,2	100,9	107,8	103,9	110,9	115,0	
S	101,0	100,0	107,9	104,9	111,6	117,8	
O	99,5	104,3	108,6	105,9	111,0	111,7	
N	101,5	105,3	107,6	103,8	110,2	114,7	
D	103,0	105,0	105,3	103,4	112,5	119,4	

1/ Preliminary.

**Table 2 - Percentage change in the index of the physical volume of manufacturing production: Total**

Month	2000	2001	2002	2003	2004	2005	2006
J	.	+6,9	+2,9	+0,7	-1,4	+3,3	+5,8
F	.	+4,1	+0,9	+0,7	-0,7	+2,6	+3,8
M	.	+1,9	+1,3	+0,2	+5,3	+0,7	+5,9
A	.	+7,1	+9,5	-4,2	+0,3	+8,9	+0,1
M	.	+0,3	+10,1	-4,2	+5,6	+1,0	+5,1
J	.	+1,9	+2,6	-1,3	+4,9	+3,4	
J	.	+2,7	+5,8	-0,1	+4,0	+2,2	
A	.	-0,2	+7,3	-3,2	+7,0	+3,9	
S	.	-1,6	+8,1	-2,4	+6,7	+5,9	
O	.	+4,6	+4,1	-2,4	+5,0	+0,7	
N	.	+3,5	+1,9	-4,1	+6,4	+4,0	
D	.	+3,4	+0,2	-1,3	+8,2	+5,7	
Year	.	+2,8	+4,5	-1,9	+4,4	+3,5	

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 3a - 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 2005	Indices			Seasonally adjusted indices		
			May 2005	1/ April	1/ May	May 2005	April 2006	May 2006
				2006				
			2005	2006		2005	2006	
Food and beverages	16,4	118,7	113,9	113,1	117,1	115,7	123,1	119,4
Meat, fish, fruit etc.	2,6	127,7	126,8	116,4	126,6	124,6	124,1	124,4
Dairy products	1,1	103,3	93,5	105,8	99,8	102,0	109,6	108,9
Grain mill products	1,5	123,4	125,4	116,2	128,7	122,4	115,5	125,8
Other food products	6,8	106,6	107,4	106,1	110,7	106,4	117,0	110,1
Beverages	4,3	134,6	117,5	123,1	121,9	126,4	138,3	131,5
Textiles, clothing, leather and footwear	5,4	98,0	98,4	94,3	101,8	96,3	97,6	100,0
Textiles	1,2	81,3	89,0	75,1	80,6	81,4	75,7	74,0
Other textile products	1,2	117,2	115,6	105,6	122,8	110,5	110,5	118,1
Knitted, crocheted articles	0,3	77,3	72,5	76,5	89,9	63,9	78,6	79,6
Wearing apparel	2,0	104,2	103,2	102,5	102,6	106,9	106,5	106,5
Leather and leather products	0,3	100,0	97,9	96,9	107,6	90,2	100,5	99,6
Footwear	0,4	79,4	76,0	90,8	105,0	79,0	95,3	108,8
Wood and wood products, paper, publishing and printing	11,0	109,0	109,1	110,1	114,6	108,1	114,4	113,6
Sawmilling and planing of wood	0,7	113,3	111,0	120,1	125,1	109,1	124,2	123,8
Products of wood	1,0	124,6	125,2	116,8	131,2	119,5	124,4	125,8
Paper and paper products	4,8	104,1	102,0	107,7	107,6	103,7	112,7	109,3
Publishing	2,4	107,3	105,3	112,5	115,3	105,6	118,5	115,9
Printing, recorded media	2,1	113,1	121,3	106,2	118,2	115,1	105,6	111,7
Petroleum, chemical products, rubber and plastic products	22,5	113,3	114,6	110,0	115,2	113,8	111,6	114,2
Coke, petroleum products, and nuclear fuel	9,1	103,1	106,4	98,8	100,5	106,7	97,5	100,6
Basic chemicals	4,0	113,5	112,4	111,6	114,9	113,9	115,7	116,5
Other chemical products	5,4	125,7	129,5	119,8	129,3	128,0	124,2	127,4
Rubber products	1,1	93,7	107,4	82,0	96,5	96,0	84,3	86,1
Plastic products	3,0	129,2	118,8	135,1	142,4	116,5	137,1	139,9
Glass and non-metallic mineral products	3,9	122,9	120,8	117,9	124,0	120,6	123,7	124,1
Glass and glass products	1,1	137,9	128,6	133,5	134,3	139,9	141,3	145,9
Non-metallic mineral products	2,9	117,3	117,9	112,1	120,2	113,4	117,1	115,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,1	115,0	111,2	118,9	114,4	117,6	118,4
Basic iron and steel products	5,5	103,7	116,2	108,1	106,4	115,4	105,7	105,6
Non-ferrous metal products	4,7	109,9	108,9	123,0	119,8	107,2	124,5	118,1
Structural metal products	1,3	116,1	127,5	107,4	127,0	116,1	105,3	114,5
Other fabricated metal product	4,2	112,6	109,2	107,9	121,3	107,5	117,1	119,8
General purpose machinery	2,4	114,1	117,9	101,8	110,5	114,9	103,0	107,5
Special purpose machinery	3,2	130,6	122,4	105,3	130,0	131,3	133,7	139,4
Household appliances	1,2	120,5	114,1	132,1	146,4	113,5	151,5	146,6
Electrical machinery	2,7	97,7	100,1	89,6	97,6	98,4	95,3	96,4
Radio, television and communication apparatus and professional equipment	1,3	113,3	106,1	97,3	104,3	111,7	102,3	110,4
Radio, television and communication apparatus	0,7	92,7	78,5	83,8	87,3	93,2	90,1	103,0
Professional equipment	0,6	134,2	134,0	110,9	121,5	130,4	114,6	117,9
Motor vehicles, parts and accessories and other transport equipment	8,6	128,5	124,2	123,0	155,0	119,7	134,1	149,9
Motor vehicles	4,1	129,3	127,6	119,3	156,5	123,1	134,3	151,3
Bodies for motor vehicles, trailers and semi-trailers	0,4	156,0	139,8	149,8	187,7	130,2	149,7	175,5
Parts and accessories	3,1	135,8	127,7	139,7	166,7	122,2	146,6	160,8
Other transport equipment	1,0	91,7	93,1	76,0	100,0	93,1	88,0	100,0
Other manufacturing divisions	5,8	108,0	98,7	86,3	109,7	98,1	99,0	110,0
Furniture	1,6	132,5	127,2	125,7	142,2	123,6	139,5	138,7
Other manufacturing groups	4,2	98,7	87,9	71,5	97,5	88,5	83,7	99,2
<b>Total</b>	<b>100,0</b>	<b>113,8</b>	<b>112,7</b>	<b>109,3</b>	<b>118,4</b>	<b>112,1</b>	<b>115,5</b>	<b>117,8</b>

**Table 3b - Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)**

Manufacturing divisions and major groups	Weights	Year	Indices			Seasonally adjusted indices			
			2005	May 2005	1/ May 2006	Percentage difference between May 2005 and May 2006	April 2006	May 2006	Percentage difference between April and May 2006
Food and beverages	16,4	118,7	113,9	117,1	+2,8	123,1	119,4	-3,0	
Meat, fish, fruit etc.	2,6	127,7	126,8	126,6	-0,2	124,1	124,4	+0,2	
Dairy products	1,1	103,3	93,5	99,8	+6,7	109,6	108,9	-0,6	
Grain mill products	1,5	123,4	125,4	128,7	+2,6	115,5	125,8	+8,9	
Other food products	6,8	106,6	107,4	110,7	+3,1	117,0	110,1	-5,9	
Beverages	4,3	134,6	117,5	121,9	+3,7	138,3	131,5	-4,9	
Textiles, clothing, leather and footwear	5,4	98,0	98,4	101,8	+3,5	97,6	100,0	+2,5	
Textiles	1,2	81,3	89,0	80,6	-9,4	75,7	74,0	-2,2	
Other textile products	1,2	117,2	115,6	122,8	+6,2	110,5	118,1	+6,9	
Knitted, crocheted articles	0,3	77,3	72,5	89,9	+24,0	78,6	79,6	+1,3	
Wearing apparel	2,0	104,2	103,2	102,6	-0,6	106,5	106,5	-0,0	
Leather and leather products	0,3	100,0	97,9	107,6	+9,9	100,5	99,6	-0,9	
Footwear	0,4	79,4	76,0	105,0	+38,2	95,3	108,8	+14,2	
Wood and wood products, paper, publishing and printing	11,0	109,0	109,1	114,6	+5,0	114,4	113,6	-0,7	
Sawmilling and planing of wood	0,7	113,3	111,0	125,1	+12,7	124,2	123,8	-0,3	
Products of wood	1,0	124,6	125,2	131,2	+4,8	124,4	125,8	+1,1	
Paper and paper products	4,8	104,1	102,0	107,6	+5,5	112,7	109,3	-3,0	
Publishing	2,4	107,3	105,3	115,3	+9,5	118,5	115,9	-2,2	
Printing, recorded media	2,1	113,1	121,3	118,2	-2,6	105,6	111,7	+5,8	
Petroleum, chemical products, rubber and plastic products	22,5	113,3	114,6	115,2	+0,5	111,6	114,2	+2,3	
Coke, petroleum products and nuclear fuel	9,1	103,1	106,4	100,5	-5,5	97,5	100,6	+3,2	
Basic chemicals	4,0	113,5	112,4	114,9	+2,2	115,7	116,5	+0,7	
Other chemical products	5,4	125,7	129,5	129,3	-0,2	124,2	127,4	+2,6	
Rubber products	1,1	93,7	107,4	96,5	-10,1	84,3	86,1	+2,1	
Plastic products	3,0	129,2	118,8	142,4	+19,9	137,1	139,9	+2,0	
Glass and non-metallic mineral products	3,9	122,9	120,8	124,0	+2,6	123,7	124,1	+0,3	
Glass and glass products	1,1	137,9	128,6	134,3	+4,4	141,3	145,9	+3,3	
Non-metallic mineral products	2,9	117,3	117,9	120,2	+2,0	117,1	115,9	-1,0	
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,1	115,0	118,9	+3,4	117,6	118,4	+0,7	
Basic iron and steel products	5,5	103,7	116,2	106,4	-8,4	105,7	105,6	-0,1	
Non-ferrous metal products	4,7	109,9	108,9	119,8	+10,0	124,5	118,1	-5,1	
Structural metal products	1,3	116,1	127,5	127,0	-0,4	105,3	114,5	+8,7	
Other fabricated metal product	4,2	112,6	109,2	121,3	+11,1	117,1	119,8	+2,3	
General purpose machinery	2,4	114,1	117,9	110,5	-6,3	103,0	107,5	+4,4	
Special purpose machinery	3,2	130,6	122,4	130,0	+6,2	133,7	139,4	+4,3	
Household appliances	1,2	120,5	114,1	146,4	+28,3	151,5	146,6	-3,2	
Electrical machinery	2,7	97,7	100,1	97,6	-2,5	95,3	96,4	+1,2	
Radio, television and communication apparatus and professional equipment	1,3	113,3	106,1	104,3	-1,7	102,3	110,4	+7,9	
Radio, television and communication apparatus	0,7	92,7	78,5	87,3	+11,2	90,1	103,0	+14,3	
Professional equipment	0,6	134,2	134,0	121,5	-9,3	114,6	117,9	+2,9	
Motor vehicles, parts and accessories and other transport equipment	8,6	128,5	124,2	155,0	+24,8	134,1	149,9	+11,8	
Motor vehicles	4,1	129,3	127,6	156,5	+22,6	134,3	151,3	+12,7	
Bodies for motor vehicles, trailers and semi-trailers	0,4	156,0	139,8	187,7	+34,3	149,7	175,5	+17,2	
Parts and accessories	3,1	135,8	127,7	166,7	+30,5	146,6	160,8	+9,7	
Other transport equipment	1,0	91,7	93,1	100,0	+7,4	88,0	100,0	+13,6	
Other manufacturing divisions	5,8	108,0	98,7	109,7	+11,1	99,0	110,0	+11,1	
Furniture	1,6	132,5	127,2	142,2	+11,8	139,5	138,7	-0,6	
Other manufacturing groups	4,2	98,7	87,9	97,5	+10,9	83,7	99,2	+18,5	
<b>Total</b>	<b>100,0</b>	<b>113,8</b>	<b>112,7</b>	<b>118,4</b>	<b>+5,1</b>	<b>115,5</b>	<b>117,8</b>	<b>+2,0</b>	

1/ Preliminary.

**Table 4 – Total estimated sales of the manufacturing industry at current prices (R'000)**

Month	2000	2001	2002	2003	2004	2005	2006
Actual values							
J	34 427 494	41 043 695	48 213 334	52 881 892	53 577 205	56 470 478	62 755 467
F	41 984 311	47 559 661	56 319 773	60 374 141	62 575 341	65 023 085	69 845 605
M	46 246 977	52 200 984	59 926 973	62 739 099	67 969 216	69 178 438	1/ 77 631 856
A	39 304 965	45 876 551	60 441 376	58 657 547	61 211 805	68 029 954	1/ 69 698 243
M	44 574 471	50 181 467	62 683 501	60 262 799	66 815 480	69 947 413	1/ 77 572 864
J	47 081 382	52 042 802	61 135 948	60 811 763	66 561 396	71 215 228	
J	44 015 506	49 989 523	62 877 019	61 398 195	67 177 893	71 531 776	
A	47 373 593	49 928 171	64 210 548	61 531 966	67 929 570	73 867 868	
S	48 468 742	51 099 123	66 577 439	62 900 284	70 906 521	76 576 128	
O	50 720 639	58 609 152	71 025 253	67 504 463	73 526 006	76 815 301	
N	53 508 142	59 846 533	71 503 335	66 340 128	75 806 307	80 181 440	
D	44 778 462	50 601 063	56 979 458	56 066 970	61 891 950	68 167 899	
Year	542 484 684	608 978 725	741 893 957	731 469 247	795 948 690	847 005 008	
Seasonally adjusted values							
J	41 376 568	48 771 743	57 195 348	62 673 226	63 319 636	66 823 678	74 202 447
F	43 151 703	48 932 293	57 919 113	62 295 435	64 852 951	67 638 610	72 778 175
M	44 270 006	50 093 278	57 715 656	60 739 599	65 982 218	67 128 260	75 431 444
A	41 596 718	48 600 976	64 105 869	61 931 731	64 284 025	71 563 521	73 498 332
M	44 387 956	49 852 431	62 203 655	59 763 295	66 170 555	69 226 890	76 838 537
J	46 141 018	51 107 059	60 254 331	60 228 274	66 219 909	70 952 680	
J	44 123 600	50 076 941	62 840 250	61 235 904	66 776 270	70 959 480	
A	46 656 194	49 144 559	63 118 214	60 437 427	66 610 079	72 323 989	
S	46 819 142	49 391 644	64 166 944	60 316 074	67 724 259	72 956 342	
O	45 979 090	53 252 686	64 699 894	61 518 440	67 133 751	70 150 480	
N	48 100 142	53 784 491	64 453 306	59 739 689	68 443 569	72 199 033	
D	48 901 973	54 799 770	62 056 617	61 224 054	67 470 057	74 507 664	

1/ Preliminary.

**Table 5 - Percentage change in the value of sales of the manufacturing industry: Total**

Month	2000	2001	2002	2003	2004	2005	2006
J	..	+19,2	+17,5	+9,7	+1,3	+5,4	+11,1
F	..	+13,3	+18,4	+7,2	+3,6	+3,9	+7,4
M	..	+12,9	+14,8	+4,7	+8,3	+1,8	+12,2
A	..	+16,7	+31,7	-3,0	+4,4	+11,1	+2,5
M	..	+12,6	+24,9	-3,9	+10,9	+4,7	+10,9
J	..	+10,5	+17,5	-0,5	+9,5	+7,0	
J	..	+13,6	+25,8	-2,4	+9,4	+6,5	
A	..	+5,4	+28,6	-4,2	+10,4	+8,7	
S	..	+5,4	+30,3	-5,5	+12,7	+8,0	
O	..	+15,6	+21,2	-5,0	+8,9	+4,5	
N	..	+11,8	+19,5	-7,2	+14,3	+5,8	
D	..	+13,0	+12,6	-1,6	+10,4	+10,1	
Year	.	+12,3	+21,8	-1,4	+8,8	+6,4	

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 6a - Sales of manufactured products according to manufacturing divisions and major groups (R'000)**

Manufacturing divisions and major groups	Year	Actual values						Seasonally adjusted values		
		2005		2006		2005		2006		
		May	1/ April	1/ May	May	April	May			
		2005	2005	2006	2005	2006				
Food and beverages	153 498 313	12 146 663	12 727 906	13 435 860	12 374 181	13 271 295	13 705 546			
Meat, fish, fruit etc.	35 850 560	3 000 126	2 931 536	3 102 435	2 938 841	3 057 602	3 041 359			
Dairy products	12 974 474	1 024 844	1 123 337	1 140 681	1 070 180	1 157 731	1 189 723			
Grain mill products	24 925 750	2 060 466	2 044 883	2 245 151	2 043 139	2 035 781	2 231 858			
Other food products	40 542 063	3 203 652	3 541 844	3 807 758	3 236 651	3 627 563	3 855 769			
Beverages	39 205 466	2 857 575	3 086 306	3 139 835	3 085 371	3 392 618	3 386 836			
Textiles, clothing, leather and footwear	38 738 665	3 205 048	3 162 360	3 469 740	3 137 481	3 250 619	3 405 873			
Textiles	6 292 712	560 542	464 359	528 806	510 103	450 476	482 980			
Other textile products	10 885 186	885 029	868 282	1 031 973	850 769	907 323	996 360			
Knitted, crocheted articles	1 686 732	140 429	146 621	165 624	122 323	147 778	144 983			
Wearing apparel	12 773 112	1 036 246	1 065 557	1 052 686	1 079 584	1 096 104	1 098 211			
Leather and leather products	4 438 623	365 550	366 408	397 204	353 865	379 002	385 016			
Footwear	2 662 300	217 252	251 133	293 447	220 836	269 937	298 323			
Wood and wood products, paper, publishing and printing	76 805 213	6 384 510	6 256 239	7 010 291	6 247 673	6 673 289	6 863 478			
Sawmilling and planing of wood	4 023 371	337 330	354 721	373 377	321 827	352 033	356 955			
Products of wood	11 895 172	975 736	926 226	1 105 203	934 939	988 992	1 061 344			
Paper and paper products	33 221 695	2 733 348	2 683 870	2 989 971	2 710 220	2 972 179	2 967 745			
Publishing	12 112 206	959 926	1 093 471	1 139 863	962 056	1 157 884	1 142 549			
Printing, recorded media	15 552 769	1 378 170	1 197 951	1 401 877	1 318 631	1 202 201	1 334 886			
Petroleum, chemical products, rubber and plastic products	170 118 397	14 386 112	14 375 846	15 961 551	14 209 620	14 910 049	15 721 070			
Coke, petroleum products, and nuclear fuel	57 696 582	5 138 841	5 325 050	6 008 859	4 963 508	5 325 614	5 772 981			
Basic chemicals	34 963 687	2 997 956	2 704 913	3 139 928	3 017 986	2 965 692	3 150 671			
Other chemical products	46 275 887	3 763 411	3 773 195	4 108 172	3 756 023	3 932 581	4 096 355			
Rubber products	8 489 850	694 530	653 156	671 336	671 099	680 708	651 285			
Plastic products	22 692 391	1 791 374	1 919 532	2 033 256	1 801 004	2 005 454	2 049 778			
Glass and non-metallic mineral products	25 708 507	2 130 359	2 091 111	2 285 696	2 099 737	2 243 992	2 258 012			
Glass and glass products	4 537 546	345 607	367 546	380 822	378 155	404 212	416 350			
Non-metallic mineral products	21 170 961	1 784 752	1 723 565	1 904 874	1 721 582	1 839 780	1 841 663			
Basic iron and steel, non-ferrous metal products, metal products and machinery	172 109 761	14 656 781	14 093 022	15 854 846	14 341 701	14 696 837	15 515 057			
Basic iron and steel products	57 886 276	5 358 307	4 764 355	5 317 935	5 083 716	4 660 958	5 014 461			
Non-ferrous metal products	24 070 957	1 955 590	2 235 600	2 533 176	1 936 737	2 334 204	2 502 999			
Structural metal products	13 164 368	1 206 005	997 748	1 216 414	1 108 859	1 022 714	1 114 877			
Other fabricated metal product	28 277 891	2 278 908	2 410 098	2 611 531	2 256 926	2 510 292	2 593 355			
General purpose machinery	17 837 796	1 481 988	1 326 137	1 446 904	1 459 880	1 378 960	1 426 899			
Special purpose machinery	20 776 381	1 562 565	1 426 724	1 699 948	1 707 388	1 737 561	1 856 832			
Household appliances	10 096 092	813 418	932 360	1 028 938	788 194	1 052 147	1 005 634			
Electrical machinery	20 183 146	1 675 235	1 641 549	1 893 774	1 624 943	1 710 637	1 839 181			
Radio, television and communication apparatus and professional equipment	11 542 033	908 574	836 737	924 111	955 349	874 912	982 456			
Radio, television and communication apparatus	6 148 981	445 052	457 770	505 826	522 967	475 126	591 802			
Professional equipment	5 393 052	463 522	378 967	418 285	432 382	399 785	390 654			
Motor vehicles, parts and accessories and other transport equipment	137 870 382	11 148 467	11 116 843	13 081 079	10 990 232	12 259 890	12 944 004			
Motor vehicles	74 426 017	5 928 867	5 907 744	6 791 827	5 924 178	6 721 941	6 818 484			
Bodies for motor vehicles, trailers and semi-trailers	6 135 714	490 671	485 790	595 585	473 465	530 734	579 577			
Parts and accessories	48 612 826	3 994 134	4 104 662	4 868 668	3 881 048	4 296 509	4 744 627			
Other transport equipment	8 695 825	734 795	618 647	824 999	711 541	710 706	801 315			
Other manufacturing divisions	40 430 591	3 305 664	3 396 630	3 655 916	3 245 972	3 606 813	3 603 859			
Furniture	10 312 926	836 532	821 357	950 304	810 975	914 053	925 560			
Other manufacturing groups	30 117 665	2 469 132	2 575 273	2 705 612	2 434 997	2 692 759	2 678 299			
<b>Total</b>	<b>847 005 008</b>	<b>69 947 413</b>	<b>69 698 243</b>	<b>77 572 864</b>	<b>69 226 890</b>	<b>73 498 332</b>	<b>76 838 537</b>			

1/ Preliminary.

**Table 6b - Sales of manufactured products according to manufacturing divisions and major groups (R'000) (concluded)**

Manufacturing divisions and major groups	Year 2005	Value of sales			Seasonally adjusted value of sales		
		May 2005	1/ May 2006	Percentage change between May 2005 and May 2006	April 2006	May 2006	Percentage change between April and May 2006
Food and beverages	153 498 313	12 146 663	13 435 860	+10,6	13 271 295	13 705 546	+3,3
Meat, fish, fruit etc.	35 850 560	3 000 126	3 102 435	+3,4	3 057 602	3 041 359	-0,5
Dairy products	12 974 474	1 024 844	1 140 681	+11,3	1 157 731	1 189 723	+2,8
Grain mill products	24 925 750	2 060 466	2 245 151	+9,0	2 035 781	2 231 858	+9,6
Other food products	40 542 063	3 203 652	3 807 758	+18,9	3 627 563	3 855 769	+6,3
Beverages	39 205 466	2 857 575	3 139 835	+9,9	3 392 618	3 386 836	-0,2
Textiles, clothing, leather and footwear	38 738 665	3 205 048	3 469 740	+8,3	3 250 619	3 405 873	+4,8
Textiles	6 292 712	560 542	528 806	-5,7	450 476	482 980	+7,2
Other textile products	10 885 186	885 029	1 031 973	+16,6	907 323	996 360	+9,8
Knitted, crocheted articles	1 686 732	140 429	165 624	+17,9	147 778	144 983	-1,9
Wearing apparel	12 773 112	1 036 246	1 052 686	+1,6	1 096 104	1 098 211	+0,2
Leather and leather products	4 438 623	365 550	397 204	+8,7	379 002	385 016	+1,6
Footwear	2 662 300	217 252	293 447	+35,1	269 937	298 323	+10,5
Wood and wood products, paper, publishing and printing	76 805 213	6 384 510	7 010 291	+9,8	6 673 289	6 863 478	+2,9
Sawmilling and planing of wood	4 023 371	337 330	373 377	+10,7	352 033	356 955	+1,4
Products of wood	11 895 172	975 736	1 105 203	+13,3	988 992	1 061 344	+7,3
Paper and paper products	33 221 695	2 733 348	2 989 971	+9,4	2 972 179	2 967 745	-0,1
Publishing	12 112 206	959 926	1 139 863	+18,7	1 157 884	1 142 549	-1,3
Printing, recorded media	15 552 769	1 378 170	1 401 877	+1,7	1 202 201	1 334 886	+11,0
Petroleum, chemical products, rubber and plastic products	170 118 397	14 386 112	15 961 551	+11,0	14 910 049	15 721 070	+5,4
Coke, petroleum products and nuclear fuel	57 696 582	5 138 841	6 008 859	+16,9	5 325 614	5 772 981	+8,4
Basic chemicals	34 963 687	2 997 956	3 139 928	+4,7	2 965 692	3 150 671	+6,2
Other chemical products	46 275 887	3 763 411	4 108 172	+9,2	3 932 581	4 096 355	+4,2
Rubber products	8 489 850	694 530	671 336	-3,3	680 708	651 285	-4,3
Plastic products	22 692 391	1 791 374	2 033 256	+13,5	2 005 454	2 049 778	+2,2
Glass and non-metallic mineral products	25 708 507	2 130 359	2 285 696	+7,3	2 243 992	2 258 012	+0,6
Glass and glass products	4 537 546	345 607	380 822	+10,2	404 212	416 350	+3,0
Non-metallic mineral products	21 170 961	1 784 752	1 904 874	+6,7	1 839 780	1 841 663	+0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	172 109 761	14 656 781	15 854 846	+8,2	14 696 837	15 515 057	+5,6
Basic iron and steel products	57 886 276	5 358 307	5 317 935	-0,8	4 660 958	5 014 461	+7,6
Non-ferrous metal products	24 070 957	1 955 590	2 533 176	+29,5	2 334 204	2 502 999	+7,2
Structural metal products	13 164 368	1 206 005	1 216 414	+0,9	1 022 714	1 114 877	+9,0
Other fabricated metal product	28 277 891	2 278 908	2 611 531	+14,6	2 510 292	2 593 355	+3,3
General purpose machinery	17 837 796	1 481 988	1 446 904	-2,4	1 378 960	1 426 899	+3,5
Special purpose machinery	20 776 381	1 562 565	1 699 948	+8,8	1 737 561	1 856 832	+6,9
Household appliances	10 096 092	813 418	1 028 938	+26,5	1 052 147	1 005 634	-4,4
Electrical machinery	20 183 146	1 675 235	1 893 774	+13,0	1 710 637	1 839 181	+7,5
Radio, television and communication apparatus and professional equipment	11 542 033	908 574	924 111	+1,7	874 912	982 456	+12,3
Radio, television and communication apparatus	6 148 981	445 052	505 826	+13,7	475 126	591 802	+24,6
Professional equipment	5 393 052	463 522	418 285	-9,8	399 785	390 654	-2,3
Motor vehicles, parts and accessories and other transport equipment	137 870 382	11 148 467	13 081 079	+17,3	12 259 890	12 944 004	+5,6
Motor vehicles	74 426 017	5 928 867	6 791 827	+14,6	6 721 941	6 818 484	+1,4
Bodies for motor vehicles, trailers and semi-trailers	6 135 714	490 671	595 585	+21,4	530 734	579 577	+9,2
Parts and accessories	48 612 826	3 994 134	4 868 668	+21,9	4 296 509	4 744 627	+10,4
Other transport equipment	8 695 825	734 795	824 999	+12,3	710 706	801 315	+12,7
Other manufacturing divisions	40 430 591	3 305 664	3 655 916	+10,6	3 606 813	3 603 859	-0,1
Furniture	10 312 926	836 532	950 304	+13,6	914 053	925 560	+1,3
Other manufacturing groups	30 117 665	2 469 132	2 705 612	+9,6	2 692 759	2 678 299	-0,5
<b>Total</b>	<b>847 005 008</b>	<b>69 947 413</b>	<b>77 572 864</b>	<b>+10,9</b>	<b>73 498 332</b>	<b>76 838 537</b>	<b>+4,5</b>

1/ Preliminary.

**Table 7 - 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)		
		March to May 2005	March to May 2006	Annual percentage change between March to May 2005 and March to May 2006	March to May 2005	March to May 2006	Annual percentage change between March to May 2005 and March to May 2006
Food and beverages	16,4	115,8	117,9	+1,8	37 348 110	39 872 774	+6,8
Meat, fish, fruit etc.	2,6	132,9	127,5	-4,1	9 013 866	9 269 503	+2,8
Dairy products	1,1	99,2	105,5	+6,4	3 185 915	3 496 583	+9,8
Grain mill products	1,5	123,3	125,0	+1,4	6 203 420	6 526 694	+5,2
Other food products	6,8	102,1	105,9	+3,7	9 922 290	10 924 051	+10,1
Beverages	4,3	128,6	131,8	+2,5	9 022 619	9 655 943	+7,0
Textiles, clothing, leather and footwear	5,4	101,6	100,9	-0,7	9 871 393	10 230 737	+3,6
Textiles	1,2	89,1	80,0	-10,2	1 666 877	1 580 649	-5,2
Other textile products	1,2	119,8	120,1	+0,3	2 719 165	2 922 802	+7,5
Knitted, crocheted articles	0,3	81,5	84,7	+3,9	456 275	472 827	+3,6
Wearing apparel	2,0	106,4	105,1	-1,2	3 236 747	3 274 116	+1,2
Leather and leather products	0,3	108,2	105,4	-2,6	1 151 463	1 175 847	+2,1
Footwear	0,4	75,9	97,2	+28,1	640 866	804 496	+25,5
Wood and wood products, paper, publishing and printing	11,0	107,5	113,7	+5,8	18 808 087	20 178 268	+7,3
Sawmilling and planing of wood	0,7	115,9	126,9	+9,5	1 003 569	1 088 098	+8,4
Products of wood	1,0	124,3	124,5	+0,2	2 877 084	3 057 147	+6,3
Paper and paper products	4,8	101,5	107,8	+6,2	8 037 329	8 668 092	+7,8
Publishing	2,4	99,8	116,0	+16,2	2 839 304	3 370 074	+18,7
Printing, recorded media	2,1	119,1	114,9	-3,5	4 050 801	3 994 857	-1,4
Petroleum, chemical products, rubber and plastic products	22,5	114,4	114,3	-0,1	41 351 558	46 077 304	+11,4
Coke, petroleum products and nuclear fuel	9,1	107,5	101,8	-5,3	14 155 656	17 035 655	+20,3
Basic chemicals	4,0	110,5	113,2	+2,4	8 291 981	8 909 590	+7,4
Other chemical products	5,4	126,8	127,5	+0,6	11 378 858	12 107 163	+6,4
Rubber products	1,1	101,3	90,6	-10,6	2 136 959	2 052 698	-3,9
Plastic products	3,0	123,4	139,0	+12,6	5 388 104	5 972 198	+10,8
Glass and non-metallic mineral products	3,9	117,0	122,2	+4,4	6 080 188	6 630 549	+9,1
Glass and glass products	1,1	127,5	135,6	+6,4	999 397	1 108 109	+10,9
Non-metallic mineral products	2,9	113,1	117,2	+3,6	5 080 791	5 522 440	+8,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	115,0	117,3	+2,0	44 415 360	45 018 166	+1,4
Basic iron and steel products	5,5	113,5	106,8	-5,9	16 100 816	14 603 107	-9,3
Non-ferrous metal products	4,7	107,8	122,7	+13,8	5 969 185	7 033 119	+17,8
Structural metal products	1,3	122,4	120,0	-2,0	3 409 763	3 425 596	+0,5
Other fabricated metal products	4,2	109,5	118,7	+8,4	6 783 333	7 648 073	+12,7
General purpose machinery	2,4	119,6	107,4	-10,2	4 539 413	4 212 399	-7,2
Special purpose machinery	3,2	130,4	124,8	-4,3	5 285 714	5 129 819	-2,9
Household appliances	1,2	111,6	140,2	+25,6	2 327 136	2 966 053	+27,5
Electrical machinery	2,7	100,1	96,1	-4,0	5 017 675	5 387 250	+7,4
Radio, television and communication apparatus and professional equipment	1,3	104,7	105,9	+1,1	2 660 972	2 782 555	+4,6
Radio, television and communication apparatus	0,7	79,8	88,8	+11,3	1 366 146	1 520 989	+11,3
Professional equipment	0,6	129,9	123,1	-5,2	1 294 826	1 261 566	-2,6
Motor vehicles, parts and accessories and other transport equipment	8,6	120,9	143,3	+18,5	32 192 523	38 000 018	+18,0
Motor vehicles	4,1	116,7	143,3	+22,8	16 916 665	20 297 956	+20,0
Bodies for motor vehicles, trailers and semi-trailers	0,4	143,0	173,5	+21,3	1 418 406	1 666 171	+17,5
Parts and accessories	3,1	131,1	155,5	+18,6	11 551 581	13 734 478	+18,9
Other transport equipment	1,0	98,1	94,0	-4,2	2 305 871	2 301 413	-0,2
Other manufacturing divisions	5,8	94,0	105,4	+12,1	9 409 939	10 725 342	+14,0
Furniture	1,6	124,3	134,9	+8,5	2 420 271	2 686 917	+11,0
Other manufacturing groups	4,2	82,5	94,2	+14,2	6 989 668	8 038 425	+15,0
<b>Total</b>	<b>100,0</b>	<b>112,3</b>	<b>116,5</b>	<b>+3,7</b>	<b>207 155 805</b>	<b>224 902 963</b>	<b>+8,6</b>



**Table 8 - 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 May 2005	Jan. to May 2006	Annual percentage change between 2005 and 2006	Contribution (percentage points) 2/	Jan. to May 2005	Jan. to May 2006	Annual percentage change between 2005 and 2006	Difference in sales between 2005 and 2006
Food and beverages	16,4	109,5	111,8	+2,1	+0,3	59 585	63 630	+6,8	+4 045
Meat, fish, fruit etc.	2,6	126,5	122,7	-3,0	-0,1	13 954	14 701	+5,3	+747
Dairy products	1,1	97,3	105,3	+8,2	+0,1	5 123	5 647	+10,2	+524
Grain mill products	1,5	116,3	120,5	+3,6	+0,1	10 014	10 348	+3,3	+334
Other food products	6,8	91,5	94,4	+3,2	+0,2	15 575	16 945	+8,8	+1 370
Beverages	4,3	128,4	131,3	+2,3	+0,1	14 919	15 989	+7,2	+1 070
Textiles, clothing, leather and footwear	5,4	95,6	94,3	-1,4	-0,1	15 469	15 774	+2,0	+305
Textiles	1,2	82,8	77,2	-6,8	-0,1	2 621	2 477	-5,5	-144
Other textile products	1,2	114,6	111,9	-2,4	-0,0	4 323	4 486	+3,8	+163
Knitted and crocheted articles	0,3	78,7	78,8	+0,1	+0,0	715	717	+0,2	+2
Wearing apparel	2,0	99,5	97,8	-1,7	-0,0	5 002	5 014	+0,2	+12
Leather and leather products	0,3	103,2	101,9	-1,3	-0,0	1 843	1 903	+3,3	+60
Footwear	0,4	69,9	84,5	+20,9	+0,1	964	1 178	+22,2	+214
Wood and wood products, paper, publishing and printing	11,0	104,0	109,9	+5,7	+0,6	29 941	32 180	+7,5	+2 239
Sawmilling and planing of wood	0,7	110,9	121,6	+9,6	+0,1	1 588	1 730	+8,9	+142
Products of wood	1,0	115,5	118,1	+2,3	+0,0	4 431	4 804	+8,4	+373
Paper and paper products	4,8	98,4	105,3	+7,0	+0,3	12 821	13 918	+8,6	+1 097
Publishing	2,4	99,1	113,8	+14,8	+0,4	4 645	5 440	+17,1	+795
Printing, recorded media	2,1	114,0	108,2	-5,1	-0,1	6 456	6 288	-2,6	-168
Petroleum, chemical products, rubber and plastic products	22,5	109,4	110,8	+1,3	+0,3	65 247	72 951	+11,8	+7 704
Coke, petroleum products and nuclear fuel	9,1	104,1	100,5	-3,5	-0,3	22 061	26 649	+20,8	+4 588
Basic chemicals	4,0	103,7	110,0	+6,1	+0,2	13 084	14 397	+10,0	+1 313
Other chemical products	5,4	119,7	121,8	+1,8	+0,1	17 960	19 156	+6,7	+1 196
Rubber products	1,1	101,2	86,0	-15,0	-0,2	3 546	3 236	-8,7	-310
Plastic products	3,0	118,5	132,6	+11,9	+0,4	8 597	9 513	+10,7	+916
Glass and non-metallic mineral products	3,9	109,5	117,7	+7,5	+0,3	9 390	10 517	+12,0	+1 127
Glass and glass products	1,1	119,7	133,7	+11,7	+0,1	1 586	1 804	+13,7	+218
Non-metallic mineral products	2,9	105,7	111,7	+5,7	+0,2	7 804	8 713	+11,7	+909
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	110,5	113,6	+2,8	+0,6	70 194	71 211	+1,4	+1 017
Basic iron and steel products	5,5	110,3	106,1	-3,8	-0,2	25 480	23 455	-7,9	-2 025
Non-ferrous metal products	4,7	104,2	118,9	+14,1	+0,6	9 413	10 723	+13,9	+1 310
Structural metal products	1,3	110,9	112,5	+1,4	+0,0	5 197	5 318	+2,3	+121
Other fabricated metal products	4,2	106,2	112,6	+6,0	+0,3	10 941	12 010	+9,8	+1 069
General purpose machinery	2,4	110,6	101,9	-7,9	-0,2	7 040	6 691	-4,9	-349
Special purpose machinery	3,2	126,6	123,6	-2,4	-0,1	8 359	8 348	-0,1	-11
Household appliances	1,2	107,8	132,4	+22,8	+0,3	3 764	4 666	+23,9	+902
Electrical machinery	2,7	93,4	92,3	-1,2	-0,0	7 810	8 491	+8,7	+681
Radio, television and communication apparatus and professional equipment	1,3	102,9	104,1	+1,2	+0,0	4 367	4 524	+3,6	+157
Radio, television and communication apparatus	0,7	79,9	84,5	+5,8	+0,0	2 264	2 414	+6,6	+150
Professional equipment	0,6	126,2	124,0	-1,7	-0,0	2 102	2 109	+0,3	+7
Motor vehicles, parts and accessories and other transport equipment	8,6	118,4	139,4	+17,7	+1,5	51 521	61 015	+18,4	+9 494
Motor vehicles	4,1	113,6	138,9	+22,3	+0,9	26 750	32 439	+21,3	+5 689
Bodies for motor vehicles, trailers and semi-trailers	0,4	132,3	165,2	+24,9	+0,1	2 146	2 556	+19,1	+410
Parts and accessories	3,1	129,7	152,6	+17,7	+0,5	18 809	22 361	+18,9	+3 552
Other transport equipment	1,0	98,0	90,1	-8,1	-0,0	3 816	3 658	-4,1	-158
Other manufacturing divisions	5,8	96,8	103,3	+6,7	+0,4	15 125	17 212	+13,8	+2 087
Furniture	1,6	116,7	123,5	+5,8	+0,1	3 743	4 052	+8,3	+309
Other manufacturing groups	4,2	89,3	95,7	+7,2	+0,3	11 382	13 160	+15,6	+1 778
<b>Total</b>	<b>100,0</b>	<b>107,9</b>	<b>112,3</b>	<b>+4,1</b>	<b>+4,1</b>	<b>328 649</b>	<b>357 504</b>	<b>+8,8</b>	<b>+28 855</b>

2/ 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

- |                              |   |
|------------------------------|---|
| <b>Introduction</b>          | <p>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 significantly 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.</p> <p>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.</p> <p>3 As is usual, 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.</p> <p>4 As indicated earlier, Stats SA developed a new business register, based on units registered for value-added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS), which replaced the previous business register.</p>   |
| <b>Scope of the survey</b>   | <p>5 This survey covers manufacturing enterprises, i.e. those conducting activities in -</p> <ul style="list-style-type: none"> <li>• the manufacturing, processing, making or packing of products;</li> <li>• the slaughtering of animals, including poultry; and</li> <li>• installation, assembly, completion, repair and related work.</li> </ul>   |
| <b>Classification</b>        | <p>6 The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities (SIC)</i>, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities (ISIC)</i> 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.</p>   |
| <b>Statistical unit</b>      | <p>7 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.</p>  |
| <b>Weighting methodology</b> | <p>8 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 <a href="http://www.statssa.gov.za/publications/publicationsearch.asp">www.statssa.gov.za/publications/publicationsearch.asp</a>.</p> <p>9 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 2006, 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 2006).</p> |

<b>Survey methodology and design</b>	<b>10</b>	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.
	<b>11</b>	The value of sales of manufactured products is obtained monthly from the sample of approximately 3 000 enterprises, which was drawn in August 2005 from a population then of 45 130 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 division to reflect the total value of sales of the division.
	<b>12</b>	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.
	<b>13</b>	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).
<b>Seasonal adjustment</b>	<b>14</b>	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.
<b>Trend cycle</b>	<b>15</b>	The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
<b>Reliability of estimates</b>	<b>16</b>	Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
	<b>17</b>	Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
<b>Revised figures</b>	<b>18</b>	Revised figures are due to late submission of data to Stats SA, or to respondents reporting revisions or corrections to their figures. Preliminary figures are

indicated in the relevant tables. Data are edited at the enterprise level.

- Related publications**      **19**      Users may also wish to refer to the following publications available from Stats SA -
- *Bulletin of Statistics* issued quarterly.
  - *SA Statistics* issued annually.
- Rounding of figures**      **20**      The figures in the tables have, where necessary, been rounded to the nearest digit shown.
- Pre-release policy**      **21**      Stats SA's pre-release policy may be inspected at its website, [www.statssa.gov.za](http://www.statssa.gov.za).
- Symbols and abbreviations**      **22**      GDP              Gross Domestic Product  
 ISIC              International Standard Industrial Classification  
 m                  Million  
 SIC                Standard Industrial Classification of all Economic Activities  
 SARS              South African Revenue Service  
 Stats SA          Statistics South Africa  
 VAT                Value-added tax  
 1/                  Preliminary figures  
 \*                    Revised figures

**Technical notes**

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	5 000 000
Small	5 000 001	13 000 000
Medium	13 000 001	51 000 000
Large	51 000 001	

## Glossary

<b>Enterprise</b>	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.
<b>Index of physical volume of manufacturing production</b>	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.
<b>Industry</b>	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>Standard Industrial Classification of all Economic Activities, Fifth Edition, Report No. 09-90-02 of January 1993 (SIC)</i> .
<b>Intermediate consumption</b>	Intermediate consumption includes - <ul style="list-style-type: none"><li>• purchases and transfers-in of materials;</li><li>• payments to other establishments for work done;</li><li>• other direct factory costs;</li><li>• rent and leasing paid;</li><li>• head office charges;</li><li>• royalties, copyright, trade names and patent rights paid;</li><li>• advertising;</li><li>• insurance premiums;</li><li>• services; and</li><li>• secretarial and administrative fees.</li></ul>
<b>Output</b>	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none"><li>• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;</li><li>• repairs;</li><li>• installation, erection and assembly;</li><li>• sundry trading revenue;</li><li>• sales of factored goods minus purchases of factored goods;</li><li>• rent and leasing received;</li><li>• royalties received;</li><li>• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;</li><li>• head office charges; and</li><li>• other revenue.</li></ul> Output excludes excise and customs duty paid.
<b>Value added</b>	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.
<b>Sales</b>	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.
<b>Statistical unit</b>	A statistical unit is a unit about which statistics are tabulated, compiled or published. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

For the purpose of this publication, the statistical unit in the monthly manufacturing: production and sales survey is the enterprise.

**Turnover**

Turnover refers to -

- 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 ratios 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 - 2006	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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