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Contents

Key figures for December 2014 **2**

Table A – Manufacturing production and sales 2

Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production 3

Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2014 4

Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices 5

Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2014 6

Detailed results **7**

Table 1 – Total index of the physical volume of manufacturing production: 2008 – 2014 7

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2008 – 2014 7

Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2008 – 2014 7

Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups 8

Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded) 9

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2008 – 2014 10

Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2008 – 2014 10

Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2008 – 2014 10

Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) 11

Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded) 12

Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups 13

Table 10 – Annual percentage change in the cumulative physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups 14

Explanatory notes **15**

Glossary **19**

Table D – Weights according to manufacturing divisions and major groups 21

General information **22**

Key figures for December 2014

Table A – Manufacturing production and sales

Estimates	December 2014	% change between December 2013 and December 2014	% change between October to December 2013 and October to December 2014	% change between January to December 2013 and January to December 2014
Physical volume of manufacturing production index (base: 2010=100)	98,4	1,1	0,4	-0,1
Total estimated sales of manufactured products (R million)	148 731	5,9	7,8	8,7

Seasonally adjusted estimates	December 2014	% change between November and December 2014	% change between July to September 2014 and October to December 2014
Physical volume of manufacturing production index (base: 2010=100)	108,6	2,3	2,5
Total value of sales of manufactured products (R million)	159 895	4,9	3,2

In 2014 manufacturing production decreased by 0,1% compared with 2013. Lower production was reported by four of the ten manufacturing divisions.

The annual decrease of 0,1% was mainly due to lower production in the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (-3,0% and contributing -0,6 of a percentage point); and
- glass and non-metallic mineral products (-5,8% and contributing -0,3 of a percentage point) (see Table 10).

Manufacturing production increased by 1,1% in December 2014 compared with December 2013.

The 1,1% year-on-year increase in manufacturing production in December 2014 was mainly due to higher production in the food and beverages division (8,3% and contributing 2,4 percentage points) (see Table 4b).

Seasonally adjusted manufacturing production increased by 2,5% in the fourth quarter of 2014 compared with the third quarter of 2014. Eight of the ten manufacturing divisions reported positive growth rates over this period.

The main contributors to the 2,5% increase were the petroleum, chemical products, rubber and plastic products division (4,5% and contributing 1,0 percentage point) and the basic iron and steel, non-ferrous metal products, metal products and machinery division (3,8% and contributing 0,7 of a percentage point) (see Table B).

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

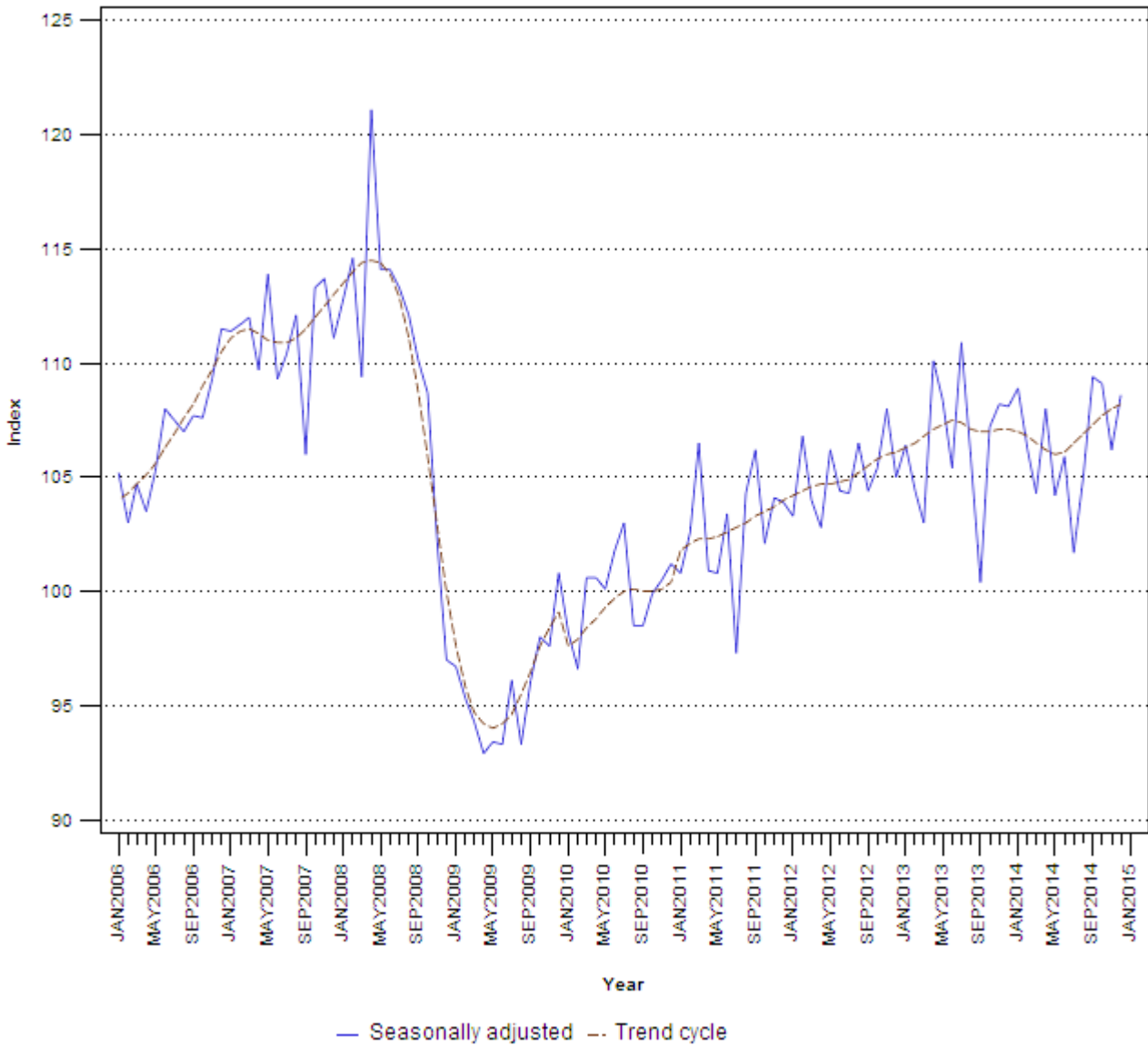
Base: 2010=100

Manufacturing divisions and major groups	Weights 2011	Average seasonally adjusted production July to September 2014	Average seasonally adjusted production October to December 2014	Quarterly % change of October to December 2014 compared with the preceding three months	Contribution (% points) to the seasonally adjusted quarterly % change in total manufacturing production 1/
Food and beverages	23,8	110,9	112,0	1,0	0,2
-Meat, fish, fruit, etc.	5,2	116,5	116,1	-0,3	0,0
-Dairy products	2,3	107,5	109,7	2,0	0,0
-Grain mill products	2,8	104,4	102,1	-2,2	-0,1
-Other food products	7,1	106,3	110,6	4,0	0,3
-Beverages	6,4	115,7	115,2	-0,4	0,0
Textiles, clothing, leather and footwear	2,9	96,3	98,6	2,4	0,1
-Textiles	1,2	85,9	89,7	4,4	0,0
-Wearing apparel	1,1	98,4	101,1	2,7	0,0
-Leather and leather products	0,2	119,1	123,2	3,4	0,0
-Footwear	0,4	111,1	107,4	-3,3	0,0
Wood and wood products, paper, publishing and printing	9,5	103,4	104,8	1,4	0,1
-Wood and products of wood	2,6	105,3	103,7	-1,5	0,0
-Paper and paper products	3,3	100,6	106,6	6,0	0,2
-Publishing and printing	3,6	104,5	104,1	-0,4	0,0
Petroleum, chemical products, rubber and plastic products	22,5	107,2	112,0	4,5	1,0
-Coke, petroleum products and nuclear fuel	6,3	93,8	107,8	14,9	0,8
-Basic chemicals	4,8	117,0	118,6	1,4	0,1
-Other chemical products	7,1	114,4	116,1	1,5	0,1
-Rubber products	1,2	102,5	108,0	5,4	0,1
-Plastic products	3,1	104,7	102,8	-1,8	-0,1
Glass and non-metallic mineral products	4,4	99,6	96,2	-3,4	-0,1
-Glass and glass products	0,9	87,8	90,5	3,1	0,0
-Non-metallic mineral products	3,5	102,6	97,6	-4,9	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	98,5	102,2	3,8	0,7
-Basic iron and steel products	4,7	93,1	97,7	4,9	0,2
-Basic precious, non-ferrous metal products	3,5	98,3	99,7	1,4	0,0
-Fabricated metal products	6,1	101,0	107,2	6,1	0,4
-Machinery and equipment	6,1	100,2	102,3	2,1	0,1
Electrical machinery	2,4	96,4	107,1	11,1	0,2
Radio, television and communication apparatus and professional equipment	1,4	134,6	144,5	7,4	0,1
-Radio, television and communication apparatus	0,9	160,4	171,4	6,9	0,1
-Professional equipment	0,6	94,6	103,0	8,9	0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	109,0	112,7	3,4	0,3
-Motor vehicles	3,9	128,4	136,5	6,3	0,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	103,9	107,6	3,6	0,0
-Parts and accessories	3,0	89,8	88,1	-1,9	0,0
-Other transport equipment	1,2	97,3	100,1	2,9	0,0
Furniture and other manufacturing division	4,1	101,6	95,9	-5,6	-0,2
-Furniture	1,1	114,3	109,9	-3,8	0,0
-Other manufacturing groups	3,0	97,1	91,0	-6,3	-0,2
Total	100,0	105,4	108,0	2,5	2,5

1/ The contribution (percentage points) of a major group or division to the total seasonally adjusted manufacturing production is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2014

Base: 2010=100



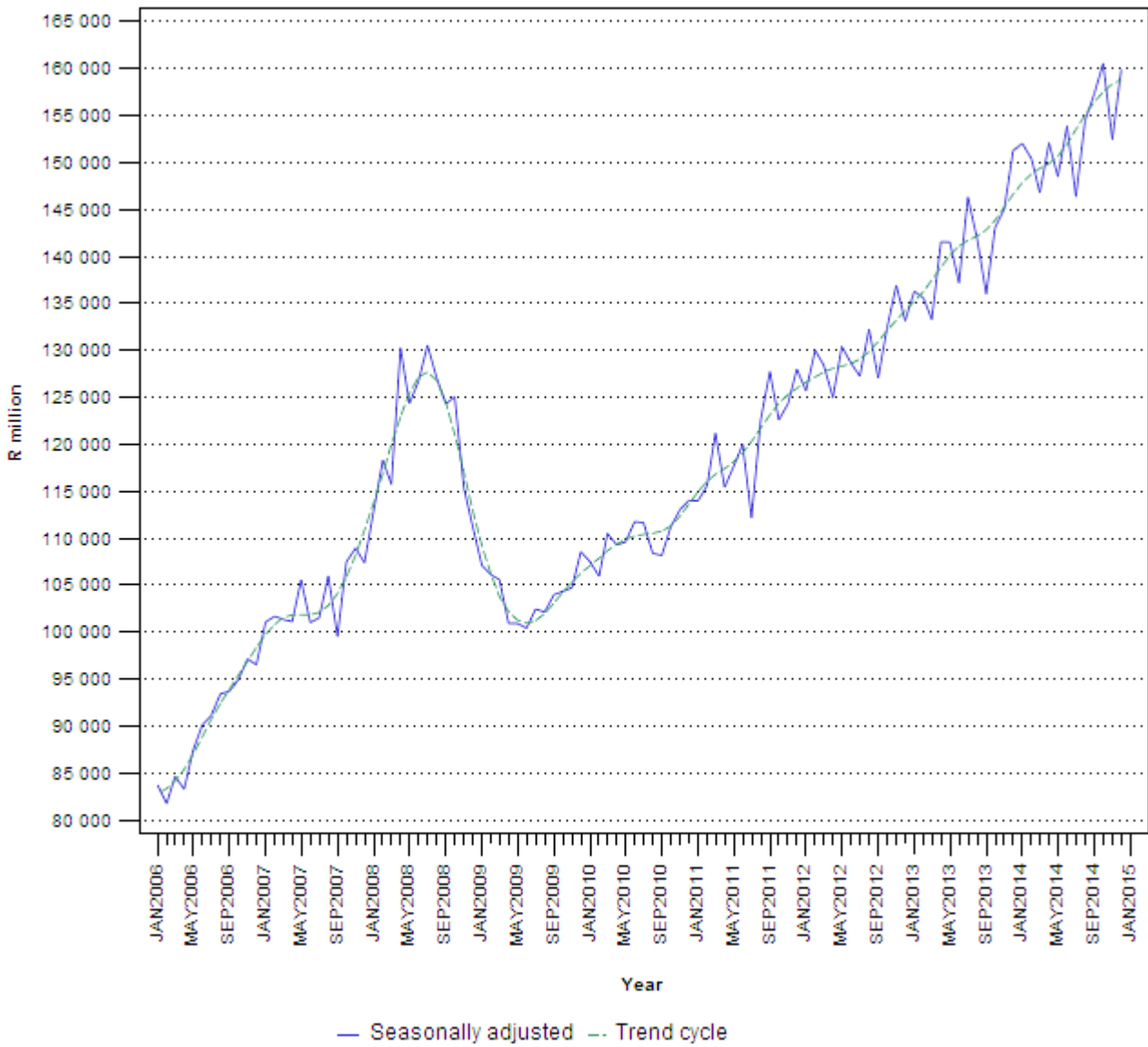
Seasonally adjusted sales of manufactured products (at current prices) increased by 3,2% (R14 758 million) in the fourth quarter of 2014 compared with the third quarter of 2014.

The manufacturing divisions that were mainly responsible for the increase in total manufacturing sales were petroleum, chemical products, rubber and plastic products (5,8% or R6 473 million) and basic iron and steel, non-ferrous metal products, metal products and machinery (4,5% or R4 404 million) (see Table C).

Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices

Manufacturing divisions and major groups	Seasonally adjusted sales July to September 2014	Seasonally adjusted sales October to December 2014	% change between July to September 2014 and October to December 2014	Difference in seasonally adjusted sales of manufacturing divisions between July to September 2014 and October to December 2014
	R'000	R'000	%	R'000
Food and beverages	99 382 354	99 503 790	0,1	121 436
-Food and food products	71 850 847	72 078 961	0,3	228 114
-Beverages	27 531 509	27 424 827	-0,4	-106 682
Textiles, clothing, leather and footwear	12 486 096	12 817 245	2,7	331 149
-Textiles	4 690 005	4 769 335	1,7	79 330
-Wearing apparel	4 892 417	5 138 547	5,0	246 130
-Leather and leather products	1 605 074	1 649 828	2,8	44 754
-Footwear	1 298 600	1 259 536	-3,0	-39 064
Wood and wood products, paper, publishing and printing	34 072 158	35 015 872	2,8	943 714
-Wood and products of wood	7 173 948	7 190 602	0,2	16 654
-Paper and paper products	15 083 002	16 052 872	6,4	969 870
-Publishing and printing	11 815 208	11 772 397	-0,4	-42 811
Petroleum, chemical products, rubber and plastic products	110 906 963	117 379 935	5,8	6 472 972
-Coke, petroleum products and nuclear fuel	43 265 483	48 954 671	13,1	5 689 188
-Basic chemicals	24 599 599	24 784 530	0,8	184 931
-Other chemical products	25 499 977	25 876 687	1,5	376 710
-Rubber products	4 156 206	4 310 080	3,7	153 874
-Plastic products	13 385 697	13 453 967	0,5	68 270
Glass and non-metallic mineral products	14 051 322	13 667 237	-2,7	-384 085
-Glass and glass products	2 342 509	2 346 064	0,2	3 555
-Non-metallic mineral products	11 708 813	11 321 173	-3,3	-387 640
Basic iron and steel, non-ferrous metal products, metal products and machinery	97 284 021	101 688 119	4,5	4 404 098
-Basic iron and steel products	30 074 105	31 276 505	4,0	1 202 400
-Basic precious, non-ferrous metal products	21 980 479	22 379 754	1,8	399 275
-Fabricated metal products	22 293 512	23 877 800	7,1	1 584 288
-Machinery and equipment	22 935 924	24 154 061	5,3	1 218 137
Electrical machinery	12 696 995	14 124 206	11,2	1 427 211
Radio, television and communication apparatus and professional equipment	4 906 135	5 292 022	7,9	385 887
-Radio, television and communication apparatus	3 057 072	3 365 280	10,1	308 208
-Professional equipment	1 849 062	1 926 744	4,2	77 682
Motor vehicles, parts and accessories and other transport equipment	56 450 373	57 925 894	2,6	1 475 521
-Motor vehicles, trailers, parts and accessories	50 868 431	52 011 671	2,2	1 143 240
-Other transport equipment	5 581 944	5 914 224	6,0	332 280
Furniture and other manufacturing division	15 924 185	15 504 245	-2,6	-419 940
-Furniture	3 925 388	3 886 840	-1,0	-38 548
-Other manufacturing groups	11 998 796	11 617 405	-3,2	-381 391
Total	458 160 602	472 918 565	3,2	14 757 963

Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2014



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Statistician-General

Detailed results

Table 1 – Total index of the physical volume of manufacturing production: 2008 – 2014

Base: 2010=100

Month	2008	2009	2010	2011	2012	2013	2014
Jan	97,1	82,7	84,5	86,7	89,3	92,3	94,6
Feb	109,4	91,1	92,2	98,4	102,7	100,7	102,3
Mar	113,1	97,6	103,8	109,3	106,6	104,8	105,8
Apr	112,8	86,6	93,4	93,4	95,1	102,0	100,1
May	115,4	94,2	100,6	101,6	107,1	109,6	105,3
Jun	115,7	94,5	102,9	104,2	104,9	105,6	105,8
Jul	116,0	98,2	105,3	98,9	105,8	111,9	102,7
Aug	115,8	96,3	101,6	107,8	110,2	109,6	108,9
Sep	114,4	99,9	102,2	110,4	108,0	103,9	113,1
Oct	120,8	108,4	110,3	112,9	116,6	119,0	1/ 121,4
Nov	113,7	107,9	112,2	116,6	121,0	121,1	1/ 118,8
Dec	86,3	89,2	91,0	93,5	94,5	97,3	1/ 98,4
Year	110,9	95,6	100,0	102,8	105,2	106,5	106,4

1/ Preliminary.

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2008 – 2014

2/

Month	2008	2009	2010	2011	2012	2013	2014
Jan	0,7	-14,8	2,2	2,6	3,0	3,4	2,5
Feb	2,5	-16,7	1,2	6,7	4,4	-1,9	1,6
Mar	-2,2	-13,7	6,4	5,3	-2,5	-1,7	1,0
Apr	9,9	-23,2	7,9	0,0	1,8	7,3	-1,9
May	0,3	-18,4	6,8	1,0	5,4	2,3	-3,9
Jun	4,5	-18,3	8,9	1,3	0,7	0,7	0,2
Jul	2,6	-15,3	7,2	-6,1	7,0	5,8	-8,2
Aug	-0,3	-16,8	5,5	6,1	2,2	-0,5	-0,6
Sep	3,9	-12,7	2,3	8,0	-2,2	-3,8	8,9
Oct	-4,1	-10,3	1,8	2,4	3,3	2,1	2,0
Nov	-9,7	-5,1	4,0	3,9	3,8	0,1	-1,9
Dec	-11,2	3,4	2,0	2,7	1,1	3,0	1,1
Year	-0,4	-13,8	4,6	2,8	2,3	1,2	-0,1

2/ The annual percentage change is the change in the index of the physical volume of manufacturing production of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2008 – 2014

Base: 2010=100

Month	2008	2009	2010	2011	2012	2013	2014
Jan	112,8	96,7	98,2	100,8	103,3	106,4	108,9
Feb	114,6	95,3	96,6	102,6	106,8	104,4	106,2
Mar	109,4	94,3	100,6	106,5	104,0	103,0	104,3
Apr	121,1	92,9	100,6	100,9	102,8	110,1	108,0
May	114,1	93,4	100,1	100,8	106,2	108,4	104,2
Jun	114,1	93,3	101,8	103,4	104,4	105,4	105,9
Jul	113,3	96,1	103,0	97,3	104,3	110,9	101,7
Aug	112,1	93,3	98,5	104,3	106,5	105,8	105,0
Sep	110,1	96,1	98,5	106,2	104,4	100,4	109,4
Oct	108,7	98,0	99,9	102,1	105,4	107,2	109,1
Nov	102,2	97,6	100,5	104,1	108,0	108,2	106,2
Dec	97,0	100,8	101,2	103,9	105,0	108,1	108,6

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

Base: 2010=100

Manufacturing divisions and major groups	Weights 2011	Average for 2014	Actual indices			Seasonally adjusted indices		
			Dec. 2013	1/ Nov. 2014	1/ Dec. 2014	Dec. 2013	Nov. 2014	Dec. 2014
Food and beverages	23,8	110,3	117,4	118,6	127,1	108,0	107,3	117,9
-Meat, fish, fruit, etc.	5,2	115,2	121,1	121,3	130,2	111,6	112,5	120,0
-Dairy products	2,3	107,4	117,2	116,9	125,0	105,3	107,1	112,4
-Grain mill products	2,8	105,2	109,3	107,6	103,4	109,2	100,2	103,2
-Other food products	7,1	106,9	88,1	113,1	105,7	102,5	104,4	123,4
-Beverages	6,4	113,4	150,4	127,8	159,3	111,7	109,5	118,3
Textiles, clothing, leather and footwear	2,9	95,8	68,7	116,2	72,8	92,6	97,2	98,7
-Textiles	0,8	82,0	52,4	96,7	56,0	78,9	86,7	85,0
-Other textile products	0,4	96,0	71,2	112,7	75,3	95,3	92,7	100,8
-Knitted, crocheted articles	0,1	57,3	45,1	67,1	41,0	61,9	59,2	56,6
-Wearing apparel	1,0	101,3	74,1	129,2	82,6	93,3	103,3	104,7
-Leather and leather products	0,2	123,0	117,6	137,2	114,0	133,6	120,6	129,5
-Footwear	0,4	105,1	69,2	127,8	69,4	103,3	104,6	104,7
Wood and wood products, paper, publishing and printing	9,5	103,5	95,7	121,7	97,8	103,1	104,7	105,2
-Sawmilling and planing of wood	0,8	114,2	88,3	125,4	93,6	112,9	114,0	119,6
-Products of wood	1,8	100,3	68,2	119,0	71,9	83,0	100,7	87,9
-Paper and paper products	3,3	103,8	101,6	115,6	111,0	100,2	106,0	109,5
-Publishing	1,4	106,3	112,7	125,0	111,2	110,9	100,7	108,9
-Printing, recorded media	2,2	99,9	100,6	129,6	91,6	115,1	105,2	105,0
Petroleum, chemical products, rubber and plastic products	22,5	108,9	104,7	123,5	103,4	113,3	111,2	111,6
-Coke, petroleum products and nuclear fuel	6,3	102,5	114,7	108,7	112,8	110,7	109,3	108,3
-Basic chemicals	4,8	115,3	115,0	137,1	111,7	121,5	118,6	117,3
-Other chemical products	7,1	112,9	99,8	128,7	103,6	111,3	112,5	115,9
-Rubber products	1,2	105,1	72,8	119,0	66,0	114,6	107,3	103,9
-Plastic products	3,1	104,1	91,5	122,1	85,2	109,9	102,0	102,4
Glass and non-metallic mineral products	4,4	99,4	81,2	108,7	73,7	100,5	95,5	91,6
-Glass and glass products	0,9	89,8	93,3	104,5	87,4	98,3	88,7	92,1
-Non-metallic mineral products	3,5	101,8	78,1	109,8	70,2	101,1	97,3	91,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	102,1	88,1	109,9	86,5	105,4	100,6	103,3
-Basic iron and steel products	4,7	94,6	80,5	98,0	86,4	92,6	97,3	99,1
-Non-ferrous metal products	3,5	103,9	95,7	100,7	90,0	103,5	99,4	97,9
-Structural metal products	2,2	82,4	68,9	93,0	62,9	89,3	80,3	81,7
-Other fabricated metal products	3,9	120,5	95,4	136,5	90,7	131,7	116,7	125,4
-General purpose machinery	2,4	88,2	83,3	95,7	78,0	93,4	84,9	87,3
-Special purpose machinery	3,0	111,2	100,5	123,4	102,1	112,1	110,6	114,4
-Household appliances	0,7	114,8	85,2	133,8	82,0	118,2	116,9	113,9
Electrical machinery	2,4	102,9	73,8	115,0	82,8	100,1	102,6	113,1
Radio, television and communication apparatus and professional equipment	1,4	139,1	125,5	170,8	121,8	146,2	143,6	142,9
-Radio, television and communication apparatus	0,9	163,3	136,7	209,0	142,0	161,8	169,7	169,6
-Professional equipment	0,5	101,5	108,2	111,7	90,5	122,1	103,2	101,8
Motor vehicles, parts and accessories and other transport equipment	8,6	109,5	75,0	124,3	69,0	115,6	113,8	104,6
-Motor vehicles	3,9	128,5	78,1	153,5	69,0	138,9	142,8	122,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	107,4	71,1	127,1	65,1	109,1	105,5	100,7
-Parts and accessories	3,0	90,8	60,1	98,3	52,6	90,6	88,3	79,2
-Other transport equipment	1,2	96,0	103,9	95,2	111,0	106,5	88,5	112,2
Furniture and other manufacturing division	4,1	98,0	76,2	115,8	71,3	98,9	95,2	91,4
-Furniture	1,1	113,2	87,4	138,8	94,3	104,0	106,3	112,3
-Other manufacturing groups	3,0	92,7	72,3	107,8	63,3	97,1	91,4	84,1
Total	100,0	106,4	97,3	118,8	98,4	108,1	106,2	108,6

1/ Preliminary.

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

Base: 2010=100

Manufacturing divisions and major groups	Weights 2011	Average for 2014	Actual indices			Seasonally adjusted indices		
			Dec. 2013	1/ Dec. 2014	% change between Dec. 2013 and Dec. 2014	Nov. 2014	Dec. 2014	% change between Nov. and Dec. 2014
Food and beverages	23,8	110,3	117,4	127,1	8,3	107,3	117,9	9,9
-Meat, fish, fruit, etc.	5,2	115,2	121,1	130,2	7,5	112,5	120,0	6,7
-Dairy products	2,3	107,4	117,2	125,0	6,7	107,1	112,4	4,9
-Grain mill products	2,8	105,2	109,3	103,4	-5,4	100,2	103,2	3,0
-Other food products	7,1	106,9	88,1	105,7	20,0	104,4	123,4	18,2
-Beverages	6,4	113,4	150,4	159,3	5,9	109,5	118,3	8,0
Textiles, clothing, leather and footwear	2,9	95,8	68,7	72,8	6,0	97,2	98,7	1,5
-Textiles	0,8	82,0	52,4	56,0	6,9	86,7	85,0	-2,0
-Other textile products	0,4	96,0	71,2	75,3	5,8	92,7	100,8	8,7
-Knitted, crocheted articles	0,1	57,3	45,1	41,0	-9,1	59,2	56,6	-4,4
-Wearing apparel	1,0	101,3	74,1	82,6	11,5	103,3	104,7	1,4
-Leather and leather products	0,2	123,0	117,6	114,0	-3,1	120,6	129,5	7,4
-Footwear	0,4	105,1	69,2	69,4	0,3	104,6	104,7	0,1
Wood and wood products, paper, publishing and printing	9,5	103,5	95,7	97,8	2,2	104,7	105,2	0,5
-Sawmilling and planing of wood	0,8	114,2	88,3	93,6	6,0	114,0	119,6	4,9
-Products of wood	1,8	100,3	68,2	71,9	5,4	100,7	87,9	-12,7
-Paper and paper products	3,3	103,8	101,6	111,0	9,3	106,0	109,5	3,3
-Publishing	1,4	106,3	112,7	111,2	-1,3	100,7	108,9	8,1
-Printing, recorded media	2,2	99,9	100,6	91,6	-8,9	105,2	105,0	-0,2
Petroleum, chemical products, rubber and plastic products	22,5	108,9	104,7	103,4	-1,2	111,2	111,6	0,4
-Coke, petroleum products and nuclear fuel	6,3	102,5	114,7	112,8	-1,7	109,3	108,3	-0,9
-Basic chemicals	4,8	115,3	115,0	111,7	-2,9	118,6	117,3	-1,1
-Other chemical products	7,1	112,9	99,8	103,6	3,8	112,5	115,9	3,0
-Rubber products	1,2	105,1	72,8	66,0	-9,3	107,3	103,9	-3,2
-Plastic products	3,1	104,1	91,5	85,2	-6,9	102,0	102,4	0,4
Glass and non-metallic mineral products	4,4	99,4	81,2	73,7	-9,2	95,5	91,6	-4,1
-Glass and glass products	0,9	89,8	93,3	87,4	-6,3	88,7	92,1	3,8
-Non-metallic mineral products	3,5	101,8	78,1	70,2	-10,1	97,3	91,4	-6,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	102,1	88,1	86,5	-1,8	100,6	103,3	2,7
-Basic iron and steel products	4,7	94,6	80,5	86,4	7,3	97,3	99,1	1,8
-Non-ferrous metal products	3,5	103,9	95,7	90,0	-6,0	99,4	97,9	-1,5
-Structural metal products	2,2	82,4	68,9	62,9	-8,7	80,3	81,7	1,7
-Other fabricated metal products	3,9	120,5	95,4	90,7	-4,9	116,7	125,4	7,5
-General purpose machinery	2,4	88,2	83,3	78,0	-6,4	84,9	87,3	2,8
-Special purpose machinery	3,0	111,2	100,5	102,1	1,6	110,6	114,4	3,4
-Household appliances	0,7	114,8	85,2	82,0	-3,8	116,9	113,9	-2,6
Electrical machinery	2,4	102,9	73,8	82,8	12,2	102,6	113,1	10,2
Radio, television and communication apparatus and professional equipment	1,4	139,1	125,5	121,8	-2,9	143,6	142,9	-0,5
-Radio, television and communication apparatus	0,9	163,3	136,7	142,0	3,9	169,7	169,6	-0,1
-Professional equipment	0,5	101,5	108,2	90,5	-16,4	103,2	101,8	-1,4
Motor vehicles, parts and accessories and other transport equipment	8,6	109,5	75,0	69,0	-8,0	113,8	104,6	-8,1
-Motor vehicles	3,9	128,5	78,1	69,0	-11,7	142,8	122,7	-14,1
-Bodies for motor vehicles, trailers and semi-trailers	0,5	107,4	71,1	65,1	-8,4	105,5	100,7	-4,5
-Parts and accessories	3,0	90,8	60,1	52,6	-12,5	88,3	79,2	-10,3
-Other transport equipment	1,2	96,0	103,9	111,0	6,8	88,5	112,2	26,8
Furniture and other manufacturing division	4,1	98,0	76,2	71,3	-6,4	95,2	91,4	-4,0
-Furniture	1,1	113,2	87,4	94,3	7,9	106,3	112,3	5,6
-Other manufacturing groups	3,0	92,7	72,3	63,3	-12,4	91,4	84,1	-8,0
Total	100,0	106,4	97,3	98,4	1,1	106,2	108,6	2,3

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2008 – 2014

Month	2008	2009	2010	2011	2012	2013	2014
Jan	94 742 175	89 411 709	90 043 639	95 914 260	107 125 725	116 496 690	130 317 527
Feb	112 667 149	101 389 780	101 802 931	111 504 610	125 726 110	131 666 953	146 262 502
Mar	119 658 956	109 741 940	115 312 858	126 114 741	133 201 183	137 659 315	151 399 659
Apr	121 578 756	93 988 030	101 813 278	108 002 905	117 398 378	133 362 802	143 701 281
May	124 921 581	100 539 504	109 347 265	117 550 156	130 161 819	141 170 742	148 218 032
Jun	129 712 325	102 182 642	113 714 894	122 066 418	130 686 381	139 191 581	156 152 997
Jul	133 522 456	103 852 587	112 863 459	112 900 609	127 523 717	146 281 118	146 085 440
Aug	131 306 310	104 831 059	110 602 573	124 733 688	134 271 194	143 904 416	156 424 723
Sep	130 807 226	109 100 206	113 246 712	133 013 706	131 703 059	140 281 228	162 202 124
Oct	137 573 799	114 516 711	121 671 719	133 668 047	144 305 886	156 176 718	1/ 175 256 749
Nov	128 271 568	116 693 241	126 495 305	139 068 350	153 074 012	162 115 203	1/ 170 517 573
Dec	100 934 476	99 259 368	104 538 782	117 666 432	123 592 966	140 400 601	1/ 148 731 487
Year	1 465 696 777	1 245 506 777	1 321 453 415	1 442 203 922	1 558 770 430	1 688 707 367	1 835 270 094

1/ Preliminary.

Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2008 – 2014 2/

Month	2008	2009	2010	2011	2012	2013	2014
Jan	11,9	-5,6	0,7	6,5	11,7	8,7	11,9
Feb	16,1	-10,0	0,4	9,5	12,8	4,7	11,1
Mar	14,4	-8,3	5,1	9,4	5,6	3,3	10,0
Apr	28,7	-22,7	8,3	6,1	8,7	13,6	7,8
May	17,9	-19,5	8,8	7,5	10,7	8,5	5,0
Jun	26,0	-21,2	11,3	7,3	7,1	6,5	12,2
Jul	29,0	-22,2	8,7	0,0	13,0	14,7	-0,1
Aug	20,0	-20,2	5,5	12,8	7,6	7,2	8,7
Sep	24,8	-16,6	3,8	17,5	-1,0	6,5	15,6
Oct	16,3	-16,8	6,2	9,9	8,0	8,2	12,2
Nov	5,9	-9,0	8,4	9,9	10,1	5,9	5,2
Dec	4,9	-1,7	5,3	12,6	5,0	13,6	5,9
Year	17,9	-15,0	6,1	9,1	8,1	8,3	8,7

2/ The annual percentage change is the change in the sales of the manufacturing industry of the relevant month of the current year compared with the sales of the corresponding month of the previous year expressed as a percentage.

Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2008 – 2014

Month	2008	2009	2010	2011	2012	2013	2014
Jan	112 857 094	107 076 811	107 499 134	113 964 443	125 695 116	136 301 371	152 031 698
Feb	118 292 028	106 089 350	105 942 867	115 590 652	129 992 990	135 565 015	150 382 872
Mar	115 743 874	105 585 672	110 502 797	121 166 222	128 414 654	133 291 896	146 781 602
Apr	130 243 639	100 916 539	109 292 024	115 421 263	124 976 208	141 552 910	152 090 180
May	124 333 773	100 919 934	109 579 227	117 592 672	130 406 092	141 525 246	148 502 034
Jun	126 746 540	100 408 821	111 753 810	119 971 858	128 645 474	137 192 743	153 878 566
Jul	130 544 511	102 433 521	111 654 798	112 182 493	127 242 918	146 301 782	146 374 590
Aug	127 081 033	102 135 126	108 375 004	122 600 349	132 249 424	141 899 943	154 463 720
Sep	124 310 451	103 965 451	108 165 906	127 718 699	127 041 405	136 009 848	157 322 292
Oct	125 042 755	104 321 393	111 208 121	122 585 001	132 399 469	143 072 445	160 554 064
Nov	115 350 930	104 718 080	113 028 991	124 285 778	136 926 003	145 068 057	152 469 161
Dec	111 205 903	108 536 809	113 991 578	127 990 239	133 145 294	151 277 324	159 895 340

Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year 2014	Actual values			Seasonally adjusted values		
		Dec. 2013	1/ Nov. 2014	1/ Dec. 2014	Dec. 2013	Nov. 2014	Dec. 2014
Food and beverages	392 070 355	36 701 423	35 560 024	40 329 701	31 430 525	31 782 086	34 515 196
-Meat, fish, fruit, etc.	104 969 831	9 200 678	9 277 475	10 387 180	8 389 522	8 354 437	9 501 266
-Dairy products	34 024 487	2 819 455	3 127 137	3 411 254	2 589 633	2 939 655	3 138 672
-Grain mill products	64 103 538	5 289 937	5 301 382	5 325 308	5 235 561	5 005 221	5 264 446
-Other food products	81 677 439	6 660 270	7 914 776	7 281 800	6 606 320	6 847 937	7 195 464
-Beverages	107 295 060	12 731 083	9 939 254	13 924 159	8 609 488	8 634 835	9 415 347
Textiles, clothing, leather and footwear	49 369 069	3 165 188	4 994 290	3 615 824	3 843 540	4 099 221	4 386 990
-Textiles	6 299 728	320 304	614 368	376 737	471 580	543 410	556 625
-Other textile products	12 252 364	752 999	1 169 567	825 612	959 217	964 427	1 057 230
-Knitted, crocheted articles	2 412 272	166 764	217 983	151 998	221 011	194 592	200 979
-Wearing apparel	17 021 990	1 100 144	1 879 245	1 376 951	1 246 923	1 495 068	1 563 496
-Leather and leather products	6 621 238	516 931	570 746	519 936	581 245	522 689	577 773
-Footwear	4 761 477	308 046	542 381	364 590	363 564	379 036	430 888
Wood and wood products, paper, publishing and printing	135 403 747	10 470 613	13 437 119	11 249 531	11 078 771	11 588 595	11 861 904
-Sawmilling and planing of wood	10 531 617	798 056	977 806	745 939	958 401	899 785	896 092
-Products of wood	18 250 381	1 039 814	1 813 217	1 132 377	1 302 599	1 503 416	1 428 333
-Paper and paper products	60 973 023	4 862 089	5 743 681	5 604 432	4 790 291	5 241 690	5 519 830
-Publishing	20 066 195	1 717 049	2 058 433	1 753 705	1 694 552	1 644 539	1 727 804
-Printing, recorded media	25 582 531	2 053 605	2 843 982	2 013 078	2 332 928	2 299 165	2 289 844
Petroleum, chemical products, rubber and plastic products	452 167 560	36 206 772	42 772 625	35 723 653	39 289 042	38 989 214	38 646 301
-Coke, petroleum products and nuclear fuel	186 482 880	17 095 219	16 230 211	15 494 590	18 117 619	16 414 036	16 223 374
-Basic chemicals	96 488 210	7 082 943	9 874 138	7 453 195	7 549 449	8 297 664	7 960 093
-Other chemical products	99 662 202	7 329 725	9 906 001	7 956 393	7 872 661	8 516 936	8 559 277
-Rubber products	16 947 684	1 082 323	1 613 309	1 013 200	1 427 378	1 450 708	1 339 857
-Plastic products	52 586 584	3 616 562	5 148 966	3 806 275	4 321 935	4 309 870	4 563 700
Glass and non-metallic mineral products	55 457 749	3 386 735	5 161 920	3 447 147	4 438 589	4 349 629	4 558 738
-Glass and glass products	9 305 456	718 195	992 889	714 295	774 312	769 726	775 028
-Non-metallic mineral products	46 152 293	2 668 540	4 169 031	2 732 852	3 664 277	3 579 903	3 783 710
Basic iron and steel, non-ferrous metal products, metal products and machinery	395 372 719	26 402 252	35 845 653	29 276 251	31 364 203	32 285 711	34 682 010
-Basic iron and steel products	121 988 751	7 428 130	10 040 517	8 526 457	9 544 713	9 404 343	10 920 490
-Non-ferrous metal products	87 111 967	6 388 506	8 204 188	7 115 691	6 651 270	7 432 454	7 395 696
-Structural metal products	32 880 623	2 212 650	3 116 271	2 210 816	2 824 746	2 688 798	2 822 725
-Other fabricated metal products	60 257 329	3 681 709	5 843 326	3 916 147	4 919 161	4 958 125	5 235 052
-General purpose machinery	33 771 620	2 552 356	3 121 981	2 654 622	2 831 221	2 773 170	2 940 118
-Special purpose machinery	49 177 164	3 533 088	4 487 450	4 272 486	3 774 097	4 131 066	4 577 882
-Household appliances	10 185 265	605 813	1 031 920	580 032	818 996	897 754	790 048
Electrical machinery	52 919 961	3 274 794	4 910 299	3 893 330	4 330 668	4 335 137	5 168 762
Radio, television and communication apparatus and professional equipment	20 454 785	1 616 733	1 998 650	1 607 808	1 726 366	1 769 887	1 729 614
-Radio, television and communication apparatus	12 623 330	918 689	1 287 889	1 008 851	1 016 192	1 105 654	1 123 187
-Professional equipment	7 831 455	698 044	710 761	598 957	710 174	664 233	606 428
Motor vehicles, parts and accessories and other transport equipment	221 656 839	14 899 063	20 421 381	14 561 340	19 146 707	18 377 847	18 898 371
-Motor vehicles	125 897 542	9 145 699	11 728 526	7 903 310	11 353 596	10 578 567	9 896 201
-Bodies for motor vehicles, trailers and semi-trailers	9 140 209	500 954	885 742	547 679	677 057	740 162	747 087
-Parts and accessories	64 897 912	3 299 883	6 190 834	3 798 674	4 935 766	5 546 275	5 685 103
-Other transport equipment	21 721 176	1 952 527	1 616 279	2 311 677	2 180 289	1 512 843	2 569 981
Furniture and other manufacturing division	60 397 310	4 277 028	5 415 612	5 026 902	4 628 912	4 891 833	5 447 455
-Furniture	15 494 528	986 486	1 612 394	1 218 409	1 135 823	1 188 602	1 404 130
-Other manufacturing groups	44 902 782	3 290 542	3 803 218	3 808 493	3 493 090	3 703 231	4 043 325
Total	1 835 270 094	140 400 601	170 517 573	148 731 487	151 277 324	152 469 161	159 895 340

1/ Preliminary.

Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded)

Manufacturing divisions and major groups	Year 2014	Actual values			Seasonally adjusted values		
		Dec. 2013	1/ Dec. 2014	% change between Dec. 2013 and Dec. 2014	Nov. 2014	Dec. 2014	% change between Nov. and Dec. 2014
Food and beverages	392 070 355	36 701 423	40 329 701	9,9	31 782 086	34 515 196	8,6
-Meat, fish, fruit, etc.	104 969 831	9 200 678	10 387 180	12,9	8 354 437	9 501 266	13,7
-Dairy products	34 024 487	2 819 455	3 411 254	21,0	2 939 655	3 138 672	6,8
-Grain mill products	64 103 538	5 289 937	5 325 308	0,7	5 005 221	5 264 446	5,2
-Other food products	81 677 439	6 660 270	7 281 800	9,3	6 847 937	7 195 464	5,1
-Beverages	107 295 060	12 731 083	13 924 159	9,4	8 634 835	9 415 347	9,0
Textiles, clothing, leather and footwear	49 369 069	3 165 188	3 615 824	14,2	4 099 221	4 386 990	7,0
-Textiles	6 299 728	320 304	376 737	17,6	543 410	556 625	2,4
-Other textile products	12 252 364	752 999	825 612	9,6	964 427	1 057 230	9,6
-Knitted, crocheted articles	2 412 272	166 764	151 998	-8,9	194 592	200 979	3,3
-Wearing apparel	17 021 990	1 100 144	1 376 951	25,2	1 495 068	1 563 496	4,6
-Leather and leather products	6 621 238	516 931	519 936	0,6	522 689	577 773	10,5
-Footwear	4 761 477	308 046	364 590	18,4	379 036	430 888	13,7
Wood and wood products, paper, publishing and printing	135 403 747	10 470 613	11 249 531	7,4	11 588 595	11 861 904	2,4
-Sawmilling and planing of wood	10 531 617	798 056	745 939	-6,5	899 785	896 092	-0,4
-Products of wood	18 250 381	1 039 814	1 132 377	8,9	1 503 416	1 428 333	-5,0
-Paper and paper products	60 973 023	4 862 089	5 604 432	15,3	5 241 690	5 519 830	5,3
-Publishing	20 066 195	1 717 049	1 753 705	2,1	1 644 539	1 727 804	5,1
-Printing, recorded media	25 582 531	2 053 605	2 013 078	-2,0	2 299 165	2 289 844	-0,4
Petroleum, chemical products, rubber and plastic products	452 167 560	36 206 772	35 723 653	-1,3	38 989 214	38 646 301	-0,9
-Coke, petroleum products and nuclear fuel	186 482 880	17 095 219	15 494 590	-9,4	16 414 036	16 223 374	-1,2
-Basic chemicals	96 488 210	7 082 943	7 453 195	5,2	8 297 664	7 960 093	-4,1
-Other chemical products	99 662 202	7 329 725	7 956 393	8,5	8 516 936	8 559 277	0,5
-Rubber products	16 947 684	1 082 323	1 013 200	-6,4	1 450 708	1 339 857	-7,6
-Plastic products	52 586 584	3 616 562	3 806 275	5,2	4 309 870	4 563 700	5,9
Glass and non-metallic mineral products	55 457 749	3 386 735	3 447 147	1,8	4 349 629	4 558 738	4,8
-Glass and glass products	9 305 456	718 195	714 295	-0,5	769 726	775 028	0,7
-Non-metallic mineral products	46 152 293	2 668 540	2 732 852	2,4	3 579 903	3 783 710	5,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	395 372 719	26 402 252	29 276 251	10,9	32 285 711	34 682 010	7,4
-Basic iron and steel products	121 988 751	7 428 130	8 526 457	14,8	9 404 343	10 920 490	16,1
-Non-ferrous metal products	87 111 967	6 388 506	7 115 691	11,4	7 432 454	7 395 696	-0,5
-Structural metal products	32 880 623	2 212 650	2 210 816	-0,1	2 688 798	2 822 725	5,0
-Other fabricated metal products	60 257 329	3 681 709	3 916 147	6,4	4 958 125	5 235 052	5,6
-General purpose machinery	33 771 620	2 552 356	2 654 622	4,0	2 773 170	2 940 118	6,0
-Special purpose machinery	49 177 164	3 533 088	4 272 486	20,9	4 131 066	4 577 882	10,8
-Household appliances	10 185 265	605 813	580 032	-4,3	897 754	790 048	-12,0
Electrical machinery	52 919 961	3 274 794	3 893 330	18,9	4 335 137	5 168 762	19,2
Radio, television and communication apparatus and professional equipment	20 454 785	1 616 733	1 607 808	-0,6	1 769 887	1 729 614	-2,3
-Radio, television and communication apparatus	12 623 330	918 689	1 008 851	9,8	1 105 654	1 123 187	1,6
-Professional equipment	7 831 455	698 044	598 957	-14,2	664 233	606 428	-8,7
Motor vehicles, parts and accessories and other transport equipment	221 656 839	14 899 063	14 561 340	-2,3	18 377 847	18 898 371	2,8
-Motor vehicles	125 897 542	9 145 699	7 903 310	-13,6	10 578 567	9 896 201	-6,5
-Bodies for motor vehicles, trailers and semi-trailers	9 140 209	500 954	547 679	9,3	740 162	747 087	0,9
-Parts and accessories	64 897 912	3 299 883	3 798 674	15,1	5 546 275	5 685 103	2,5
-Other transport equipment	21 721 176	1 952 527	2 311 677	18,4	1 512 843	2 569 981	69,9
Furniture and other manufacturing division	60 397 310	4 277 028	5 026 902	17,5	4 891 833	5 447 455	11,4
-Furniture	15 494 528	986 486	1 218 409	23,5	1 188 602	1 404 130	18,1
-Other manufacturing groups	44 902 782	3 290 542	3 808 493	15,7	3 703 231	4 043 325	9,2
Total	1 835 270 094	140 400 601	148 731 487	5,9	152 469 161	159 895 340	4,9

1/ Preliminary.

Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights 2011	Production indices (base: 2010=100)			Value of sales (R'000)		
		Oct. to Dec. 2013	Oct. to Dec. 2014	% change between Oct. to Dec. 2013 and Oct. to Dec. 2014	Oct. to Dec. 2013	Oct. to Dec. 2014	% change between Oct. to Dec. 2013 and Oct. to Dec. 2014
Food and beverages	23,8	119,4	122,5	2,6	104 081 996	111 945 751	7,6
-Meat, fish, fruit, etc.	5,2	120,3	123,9	3,0	26 983 877	29 023 877	7,6
-Dairy products	2,3	115,7	122,0	5,4	8 404 383	9 862 452	17,3
-Grain mill products	2,8	113,2	106,7	-5,7	16 232 003	16 089 154	-0,9
-Other food products	7,1	107,9	112,1	3,9	20 917 291	22 769 314	8,9
-Beverages	6,4	135,4	140,0	3,4	31 544 442	34 200 954	8,4
Textiles, clothing, leather and footwear	2,9	98,0	102,1	4,2	12 445 710	13 586 002	9,2
-Textiles	0,8	78,5	83,1	5,9	1 417 654	1 637 805	15,5
-Other textile products	0,4	98,6	101,0	2,4	3 040 791	3 231 628	6,3
-Knitted, crocheted articles	0,1	63,5	56,6	-10,9	662 238	585 270	-11,6
-Wearing apparel	1,0	105,0	112,6	7,2	4 313 354	4 983 345	15,5
-Leather and leather products	0,2	136,9	127,1	-7,2	1 733 556	1 682 590	-2,9
-Footwear	0,4	109,7	114,0	3,9	1 278 117	1 465 364	14,7
Wood and wood products, paper, publishing and printing	9,5	109,0	112,5	3,2	34 641 499	37 511 309	8,3
-Sawmilling and planing of wood	0,8	114,2	117,4	2,8	2 693 196	2 757 912	2,4
-Products of wood	1,8	99,3	104,1	4,8	4 498 065	4 773 545	6,1
-Paper and paper products	3,3	103,5	112,1	8,3	14 771 203	16 767 825	13,5
-Publishing	1,4	128,4	120,4	-6,2	5 897 076	5 791 253	-1,8
-Printing, recorded media	2,2	110,4	112,7	2,1	6 781 959	7 420 774	9,4
Petroleum, chemical products, rubber and plastic products	22,5	115,3	116,7	1,2	114 348 238	121 717 420	6,4
-Coke, petroleum products and nuclear fuel	6,3	110,4	108,6	-1,6	47 492 067	48 090 072	1,3
-Basic chemicals	4,8	118,0	126,9	7,5	23 720 750	27 294 602	15,1
-Other chemical products	7,1	120,4	122,6	1,8	25 655 821	27 725 304	8,1
-Rubber products	1,2	103,0	101,8	-1,2	3 982 267	4 247 676	6,7
-Plastic products	3,1	114,1	109,2	-4,3	13 497 333	14 359 766	6,4
Glass and non-metallic mineral products	4,4	106,9	99,8	-6,6	14 121 739	14 130 273	0,1
-Glass and glass products	0,9	108,6	100,2	-7,7	2 725 013	2 679 991	-1,7
-Non-metallic mineral products	3,5	106,5	99,7	-6,4	11 396 726	11 450 282	0,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	106,5	103,3	-3,0	94 325 292	102 485 729	8,7
-Basic iron and steel products	4,7	92,1	94,8	2,9	26 247 272	29 629 932	12,9
-Non-ferrous metal products	3,5	105,5	100,3	-4,9	20 507 107	23 308 210	13,7
-Structural metal products	2,2	94,8	84,4	-11,0	9 107 465	8 632 072	-5,2
-Other fabricated metal products	3,9	125,7	122,4	-2,6	14 866 936	15 754 399	6,0
-General purpose machinery	2,4	98,8	92,4	-6,5	8 943 581	9 107 651	1,8
-Special purpose machinery	3,0	118,5	115,4	-2,6	12 214 874	13 442 505	10,1
-Household appliances	0,7	115,3	114,9	-0,3	2 438 057	2 610 960	7,1
Electrical machinery	2,4	103,8	104,0	0,2	12 942 776	13 746 571	6,2
Radio, television and communication apparatus and professional equipment	1,4	146,5	153,7	4,9	5 320 950	5 602 109	5,3
-Radio, television and communication apparatus	0,9	168,5	185,5	10,1	3 196 759	3 611 801	13,0
-Professional equipment	0,5	112,5	104,5	-7,1	2 124 191	1 990 308	-6,3
Motor vehicles, parts and accessories and other transport equipment	8,6	111,6	109,6	-1,8	51 721 853	57 650 719	11,5
-Motor vehicles	3,9	132,7	130,4	-1,7	29 797 095	32 841 031	10,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	113,4	111,1	-2,0	2 292 057	2 399 589	4,7
-Parts and accessories	3,0	87,0	84,5	-2,9	14 048 697	16 471 297	17,2
-Other transport equipment	1,2	104,9	105,1	0,2	5 584 004	5 938 802	6,4
Furniture and other manufacturing division	4,1	104,3	103,1	-1,2	14 742 469	16 129 926	9,4
-Furniture	1,1	131,5	125,5	-4,6	4 322 694	4 514 245	4,4
-Other manufacturing groups	3,0	94,8	95,3	0,5	10 419 775	11 615 681	11,5
Total	100,0	112,5	112,9	0,4	458 692 522	494 505 809	7,8

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

Manufacturing divisions and major groups	Weights 2011	Indices (base: 2010=100)				Value of sales (R million)			
		Jan. to Dec. 2013	Jan. to Dec. 2014	Annual % change between 2013 and 2014	Contribution (% points) 1/	Jan. to Dec. 2013	Jan. to Dec. 2014	Annual % change between 2013 and 2014	Difference in sales between 2013 and 2014
Food and beverages	23,8	108,0	110,3	2,1	0,5	358 788	392 070	9,3	33 282
-Meat, fish, fruit, etc.	5,2	109,5	115,2	5,2	0,3	93 676	104 970	12,1	11 294
-Dairy products	2,3	106,0	107,4	1,3	0,0	30 433	34 024	11,8	3 591
-Grain mill products	2,8	107,5	105,2	-2,1	-0,1	60 913	64 104	5,2	3 191
-Other food products	7,1	105,0	106,9	1,8	0,1	74 241	81 677	10,0	7 436
-Beverages	6,4	111,0	113,4	2,2	0,1	99 524	107 295	7,8	7 771
Textiles, clothing, leather and footwear	2,9	95,2	95,8	0,6	0,0	45 890	49 369	7,6	3 479
-Textiles	0,8	82,8	82,0	-1,0	0,0	5 647	6 300	11,6	653
-Other textile products	0,4	95,1	96,0	0,9	0,0	11 512	12 252	6,4	740
-Knitted, crocheted articles	0,1	65,9	57,3	-13,1	0,0	2 615	2 412	-7,8	-203
-Wearing apparel	1,0	100,9	101,3	0,4	0,0	15 632	17 022	8,9	1 390
-Leather and leather products	0,2	120,3	123,0	2,2	0,0	6 143	6 621	7,8	478
-Footwear	0,4	101,5	105,1	3,5	0,0	4 342	4 761	9,6	419
Wood and wood products, paper, publishing and printing	9,5	103,6	103,5	-0,1	0,0	128 298	135 404	5,5	7 106
-Sawmilling and planing of wood	0,8	108,4	114,2	5,4	0,0	9 846	10 532	7,0	686
-Products of wood	1,8	98,7	100,3	1,6	0,0	17 300	18 250	5,5	950
-Paper and paper products	3,3	100,0	103,8	3,8	0,1	55 755	60 973	9,4	5 218
-Publishing	1,4	116,5	106,3	-8,8	-0,1	20 848	20 066	-3,8	-782
-Printing, recorded media	2,2	102,6	99,9	-2,6	-0,1	24 549	25 583	4,2	1 034
Petroleum, chemical products, rubber and plastic products	22,5	108,6	108,9	0,3	0,1	423 519	452 168	6,8	28 649
-Coke, petroleum products and nuclear fuel	6,3	101,9	102,5	0,6	0,0	179 278	186 483	4,0	7 205
-Basic chemicals	4,8	108,7	115,3	6,1	0,3	84 435	96 488	14,3	12 053
-Other chemical products	7,1	114,5	112,9	-1,4	-0,1	94 394	99 662	5,6	5 268
-Rubber products	1,2	113,0	105,1	-7,0	-0,1	16 108	16 948	5,2	840
-Plastic products	3,1	107,4	104,1	-3,1	-0,1	49 305	52 587	6,7	3 282
Glass and non-metallic mineral products	4,4	105,5	99,4	-5,8	-0,3	54 411	55 458	1,9	1 047
-Glass and glass products	0,9	105,3	89,8	-14,7	-0,1	9 848	9 305	-5,5	-543
-Non-metallic mineral products	3,5	105,6	101,8	-3,6	-0,1	44 563	46 152	3,6	1 589
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	105,3	102,1	-3,0	-0,6	362 212	395 373	9,2	33 161
-Basic iron and steel products	4,7	94,8	94,6	-0,2	0,0	107 121	121 989	13,9	14 868
-Non-ferrous metal products	3,5	108,4	103,9	-4,2	-0,1	75 898	87 112	14,8	11 214
-Structural metal products	2,2	88,8	82,4	-7,2	-0,1	33 623	32 881	-2,2	-742
-Other fabricated metal products	3,9	119,5	120,5	0,8	0,0	56 646	60 257	6,4	3 611
-General purpose machinery	2,4	100,4	88,2	-12,2	-0,3	34 285	33 772	-1,5	-513
-Special purpose machinery	3,0	114,4	111,2	-2,8	-0,1	45 236	49 177	8,7	3 941
-Household appliances	0,7	113,6	114,8	1,1	0,0	9 402	10 185	8,3	783
-Electrical machinery	2,4	104,8	102,9	-1,8	0,0	50 394	52 920	5,0	2 526
Radio, television and communication apparatus and professional equipment	1,4	127,1	139,1	9,4	0,2	18 122	20 455	12,9	2 333
-Radio, television and communication apparatus	0,9	141,2	163,3	15,7	0,2	10 395	12 623	21,4	2 228
-Professional equipment	0,5	105,2	101,5	-3,5	0,0	7 727	7 831	1,3	104
Motor vehicles, parts and accessories and other transport equipment	8,6	109,4	109,5	0,1	0,0	191 773	221 657	15,6	29 884
-Motor vehicles	3,9	124,6	128,5	3,1	0,1	106 642	125 898	18,1	19 256
-Bodies for motor vehicles, trailers and semi-trailers	0,5	111,2	107,4	-3,4	0,0	8 715	9 140	4,9	425
-Parts and accessories	3,0	94,8	90,8	-4,2	-0,1	56 149	64 898	15,6	8 749
-Other transport equipment	1,2	96,8	96,0	-0,8	0,0	20 267	21 721	7,2	1 454
Furniture and other manufacturing division	4,1	94,8	98,0	3,4	0,1	55 301	60 397	9,2	5 096
-Furniture	1,1	110,6	113,2	2,4	0,0	14 273	15 495	8,6	1 222
-Other manufacturing groups	3,0	89,3	92,7	3,8	0,1	41 028	44 903	9,4	3 875
Total	100,0	106,5	106,4	-0,1	-0,1	1 688 707	1 835 270	8,7	146 563

1/ The contribution (percentage points) of a major group or division is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

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 business sampling frame (BSF), 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 2010. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month 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 BR, 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. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Collection rate**
- 9 The preliminary collection rate for the survey on manufacturing production and sales for December 2014 was 88,3%. The improved collection rate for November 2014 was 89,8%.
- 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 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 3 000 enterprises, which was drawn in April 2014 from a population then of 45 405 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 major group and division estimates. These procedures are consistent with international best practice.
- 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 large sample survey of the manufacturing industry or national accounts value added weights. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS), for the period 2005 to 2009, the weights are based on the 2005 LSS, for the period 2010 the weights are based on national accounts value added data for 2010 and for the period 2011 to 2014, the weights are based on national accounts value added data of 2011. Weights between LSS / national accounts 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 F for the fixed weights which were used for the three periods 2005 to 2009, 2010 and 2011 to 2014).

Seasonal adjustment

- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from a time 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. Currently, no adjustment is made for changes in the timing of Easter. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.

- Trend cycle** **18** 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.
- Reliability of estimates** **19** 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.
- 20** 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.
- Revised figures** **21** Revised figures are due to late submission of data to Stats SA, or 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** **22** Users may also wish to refer to the following publications available from Stats SA:
- *Bulletin of Statistics*, issued quarterly.
 - *South African Statistics*, issued annually.
- Rounding-off of figures** **23** Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Symbols and abbreviations** **24**
- | | |
|----------|---|
| BR | Business Register |
| GDP | Gross domestic product |
| ISIC | International Standard Industrial Classification |
| LSS | Large sample survey |
| m | Million |
| SIC | Standard Industrial Classification of all Economic Activities |
| SARS | South African Revenue Service |
| Stats SA | Statistics South Africa |
| VAT | Value added tax |
| * | Revised figures |

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.

$$n_h = n * (N_h * S_h) / [\sum (N_i * S_i)].$$

Class limits: Manufacturing (Rand)

Enterprise size	Lower limits	Upper limits
Very small	1 633 746	15 000 000
Small	15 000 001	39 000 000
Medium	39 000 001	153 000 000
Large	153 000 001	

Glossary

Enterprise	An 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 2010. The production in the base period is set at 100.
Industry	An industry consists of a group of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the 1993 <i>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 D – Weights according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights according to the 2005 LSS of the manufacturing industry 2005 - 2009	Weights according to 2010 national accounts value added 2010	Weights according to 2011 national accounts value added 2011 - 2014
Food and beverages	15,4	22,1	23,8
Meat, fish, fruit, etc.	1,8	4,4	5,2
Dairy products	0,8	2,2	2,3
Grain mill products	0,8	2,7	2,8
Other food products	5,2	6,4	7,1
Beverages	6,8	6,4	6,4
Textiles, clothing, leather and footwear	4,9	3,5	2,9
Textiles	0,7	0,7	0,8
Other textile products	0,9	0,4	0,4
Knitted, crocheted articles	0,2	0,1	0,1
Wearing apparel	2,1	1,6	1,0
Tanning, dressing of leather	0,6	0,2	0,2
Footwear	0,4	0,5	0,4
Wood and wood products, paper, publishing and printing	10,2	9,3	9,5
Sawmilling and planing of wood	0,7	0,8	0,8
Products of wood	1,3	1,7	1,8
Paper and paper products	3,8	3,2	3,3
Publishing	1,9	1,4	1,4
Printing, recorded media	2,5	2,2	2,2
Petroleum, chemical products, rubber and plastic products	22,1	25,1	22,5
Petroleum products	8,5	8,0	6,3
Basic chemicals	4,5	5,8	4,8
Other chemical products	5,3	7,4	7,1
Rubber products	1,0	1,2	1,2
Plastic products	2,7	2,7	3,1
Glass and non-metallic mineral products	4,8	4,9	4,4
Glass and glass products	1,0	0,8	0,9
Non-metallic mineral products	3,8	4,1	3,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	20,3	20,4
Basic iron and steel products	7,7	4,4	4,7
Non-ferrous metal products	3,4	3,5	3,5
Structural metal products	2,0	1,9	2,2
Other fabricated metal products	3,8	3,8	3,9
General purpose machinery	2,4	2,3	2,4
Special purpose machinery	3,1	3,5	3,0
Household appliances	0,6	0,9	0,7
Electrical machinery	2,5	2,4	2,4
Radio, television and communication apparatus and professional equipment	1,1	1,3	1,4
Radio, television and communication apparatus	0,4	0,8	0,9
Professional equipment	0,7	0,5	0,5
Motor vehicles, parts and accessories and other transport equipment	10,9	7,9	8,6
Motor vehicles	4,9	3,2	3,9
Bodies for motor vehicles, trailers and semi-trailers	0,5	0,6	0,5
Parts and accessories	4,7	2,9	3,0
Other transport equipment	0,9	1,2	1,2
Other manufacturing divisions	5,2	3,2	4,1
Furniture	1,3	0,9	1,1
Other manufacturing groups	3,9	2,3	3,0
Total	100,0	100,0	100,0

General information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

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