

DEPARTMENT OF HEALTH

No. R. 500 30 April 2004

FOODSTUFFS, COSMETICS AND DISINFECTANTS ACT, 1972 (ACT 54 OF 1972)

REGULATION RELATING TO MAXIMUM LEVELS FOR METALS IN FOODSTUFFS

The Minister of Health has, in terms of section 15(1) of the Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act 54 of 1972), made the regulations in the Schedule.

SCHEDULE

Definitions

1. In these regulations any expression to which a meaning has been assigned in the Act shall bear such meaning and, unless the context indicates otherwise-

"fish" means all fish species except shellfish;

"maximum level" means the highest acceptable level of a substance, and shall be determined according to the edible content of the foodstuff, i.e. that part of the foodstuff that is normally consumed;

"metal" includes any other chemical form of that metal;

"shellfish" means molluscan bivalves and includes mussels, gastropods and cephalopods; and

"the Act" means the Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act No. 54 of 1972)

2. For the purpose of section 2(1)(b)(i) of the Act, foodstuffs listed in column II of the Annexure are hereby deemed to be contaminated, impure, decayed, harmful or injurious to human health if they contain the metals in column I in amounts exceeding the corresponding levels in column III when measured by accredited analytical methods.

Repeal

3. The regulations published under Government Notice No. R. 1518 of 09 September 1994 are hereby repealed.

ANNEXURE

MAXIMUM LEVELS FOR METALS IN FOODSTUFFS

(mg/kg or mg/l)

Metal	Foodstuff	Maximum Limit (mg/kg or mg/l)
Antimony (Sb)	Natural mineral water	0.005
	All other liquid foodstuffs	0.15
Arsenic (As)	Chocolate	0.5
	Composite, filled and unsweetened chocolate	1.0
	Fruit juices and nectars	0.2
	Edible fats & oils	0.1
	Natural mineral water	0.01
	Fish and processed fish	3.0
	Meat and processed meat	1.0
Cadmium (Cd)	Cereals, pulses and legumes	0.1
	Fruit and other vegetables	0.05
	Shellfish and shellfish products	3.0
	Fish and processed fish	1.0
	Meat and processed meat	0.05 [†]
	Natural mineral water	0.003
Copper (Cu)	Chocolate	15
	Composite and filled chocolate	20
	Unsweetened chocolate	30
	Vegetable juices, fruit juices and nectars	5.0 [#]
	Natural mineral water	1.0
	Mayonnaise	2.0
	Margarine and minarine	0.1
	Vinegar	10 [^]
Lead (Pb)	Cereal, pulses and legumes	0.2
	Brassica and leafy vegetables except spinach	0.3
	Fruits and all other vegetables	0.1
	Small fruits and berries	0.2
	Vegetable juices, fruit juices and nectars	0.3
	Milk and milk products	0.02
	Meat and processed meat	0.1
	Fish and processed fish	0.5
	Infant formulae	0.02
	Vinegar	1.0
	Mayonnaise	0.3

	Chocolate, composite and filled chocolate	1.0
	Unsweetened chocolate	2.0
	Natural mineral water	0.01

Metal	Foodstuff	Maximum Limit (mg/kg or mg/l)
Mercury (Hg)	Shellfish and shellfish products	0.5
	Predatory fish including swordfish	1.0*
	All other fish and processed fish	0.5*
	Natural mineral water	0.001
Tin (Sn)	Canned apple, grape, blackcurrant and small fruit juices and nectars	150
	Canned vegetable juices and all other canned fruit juices and nectars	200
	Canned fruits and vegetables	250
	Canned meat and meat products	200
	Soups and broths	150
	All uncanned meat and meat products	50
Zinc (Zn)	Vegetable juices, fruit juices and nectars	5.0 [#]
	Vinegar	10 [^]

- * As methylmercury
- [#] Maximum limit for the sum of copper and zinc: 20 mg/l
- [^] Sum of zinc and copper
- [†] Levels do not apply to liver & kidneys