

National Standard of the People's Republic of China 中华人民共和国国家标准

Limited concentrations of radioactive materials in foods

GB 14882 - 94

1 Subject and scope of application

This standard specifies the derived limited concentrations (hereinafter referred to as limited concentrations) 12 radioactive materials in main foods. This standard applies to all kinds of grains, starchy underground vegetable (including sweet potato, potato, and cassava), vegetables and fruits, fishes, meats, shrimps, and milk-like foods.

2 Normative references

GB 4792 Radiation protection - Health and safety requirements

GB 14883.1~14883.10 Examination of radioactive materials for foods

3 Limited concentrations of radioactive nuclide in foods [Bq/kg (or L milk)]

3.1 See Table 1 for the limited concentrations of artificial radioactive nuclide in foods. The milk powder may be controlled through conversion to equivalent fresh milk (1 kg whole milk powder is equivalent to 7 L fresh milk, the same below).

Table1

Varieties	^3H	^{89}Sr	^{90}Sr	^{131}I
Grain	2.1×10^5	1.2×10^3	9.6×10^1	1.9×10^2
Starch underground vegetables	7.2×10^4	5.4×10^2	3.3×10^1	8.9×10^1
Vegetables and fruits	1.7×10^5	9.7×10^2	7.7×10^1	1.6×10^2
Fishes, meats, shrimps, etc.	6.5×10^5	2.9×10^3	2.9×10^2	4.7×10^2
Fresh milk	8.8×10^4	2.4×10^2	4.0×10^1	3.3×10^1

Varieties	^{137}Cs	^{147}Pm	^{239}Pu
Grain	2.6×10^2	1.0×10^4	3.4
Starch underground vegetables	9.0×10^1	3.7×10^3	1.2
Vegetables and fruits	2.1×10^2	8.2×10^3	2.7
Fishes, meats, shrimps, etc.	8.0×10^2	2.4×10^4	10.0
Fresh milk	3.3×10^2	2.2×10^3	2.6

This standard was approved by The Ministry of Public Health of the People's Republic of China on February 22, 1994 and will be implemented on September 01, 1994

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