TWENTY- FIFTH SCHEDULE (Regulation 394 (1) and 360B (3))

STANDARD FOR WATER AND PACKAGED DRINKING WATER

1. Physical standard:

Physical properties	Maximum permitted proportion
Colour (True Colour Unit)	15
Turbidity (Nephelometric turbidity unit)	5

2. Chemical standard:

(a) pH
(b) Chemicals:- 6.5 – 8.5

Chemicals	Maximum permitted proportion (mg/L)
Aluminium (as Al)	0.2
Ammonia (as N)	0.5
Anionic Detergent (MBAS)	1.0
Arsenic (as As)	0.05
Biocides (Total)	0.1
Cadmium (as Cd)	0.005
Carbon chloroform extract	0.5
Chloride (as Cl)	250
Chloroform	0.03
Chomium (as Cr)	0.05
Copper (as Cu)	1.0
Cyanide (as CN)	0.1
Fluoride (as F)	1.5
Hardness (as CaCO3)	500
Iron (as Fe)	0.3
Lead (as Pb)	0.05

Magnesium	150
Manganese (as Mn)	0.1
Mercury (as Hg)	0.001
Mineral oil	0.3
Nitrate (as N)	10
Phenol	0.002
Residual chlorine (Free)	0.1
Selenium (Se)	0.01
Silver (as Ag)	0.05
Sodium (as Na)	200
Sulphate (as SO_4)	400
Zinc (as Zn)	5

(c) Pesticides: -

Pesticides	Maximum permitted proportion (mg/L)
Aldrin/ Dieldrin	0.00003
Chlordane	0.0003
2.4-D	0.1
DDT	0.001
Heptachlor and Heptachlor Epoxide	0.0001
Hexachlorobenzene	0.00001
Lindane	0.003
Methoxychlor	0.03

3. Bacteriological Standard:

Bacteria	Method	Count per 100ml
Coliform organism	1. Multiple tube method. (37° C/ 8hrs)	i) Shall not exceed 10 (Most Probable Number); ii) Shall not be detectable in 2 consecutive samples: iii) Shall not be detectable in 95 per cent of samples throughout a year.
	2. Membrane filter	i) Arithmetic mean of all monthly samples is 1 colony/100ml; ii) Not more than 4 colonies/ 100ml in 2 consecutive samples.
Escherichia coli	Multiple tube method	Nil (Most Probable Number)

4. Radioactivity

Gross α	0.1 Bq/l
Gross β	1 Bq/l