



Product Specification

POTASSIUM IODIDE AR/ACS

PRODUCT CODE	614465
SYNONYMS	--
C.I. NO.	--
CASR NO.	(7681-11-0)
ATOMIC OR MOLECULAR FORMULA	KI
ATOMIC OR MOLECULAR WEIGHT	166.00
PROPERTIES	On long exposure to air becomes yellow due to liberation of iodine.

KI

PARAMETER	LIMIT
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Description	Colourless or white crystals /crystalline powder.
Solubility	20% solution in water is clear and colourless up to 48 hours.
Identification	Passes test.
Minimum Assay (oxidimetric; after drying)	99.8%

MAXIMUM LIMIT OF IMPURITIES

Loss on drying (at 120°C)	0.5%
Insoluble matter	0.003%
Acidity (HI)	0.0065%
Alkalinity (KOH)	0.01 2%
Arsenic (As)	0.00001%
Chloride & bromide (Cl)	0.01%
Phosphate (PO ₄)	0.001%
Sulphate (SO ₄)	0.005%
Nitrogen compounds (N)	0.001%
Barium (Ba)	0.001%
Calcium (Ca)	0.0005%
Copper (Cu)	0.0002%
Cyanide	Passes test.
Iodate (IO ₃)	0.0002%
Iodine reducing substance (I)	0.001%
Iron (Fe)	0.0002%
Heavy metals (as Pb)	0.0005%
Magnesium (Mg)	0.0005%
Thiosulphate	Passes test.
Limit of nitrate, nitrite & ammonia	Passes test.
Thiosulphate & barium	Passes test.
Organic volatile impurities	Meets the requirement.

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements : Not hazardous. No hazards.

Precautionary statements

Prevention: -----

Response: ---

IMDG Code :

UN No. :

IATA :

Disposal : Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

Hazard Pictogram(s) :--