

POTASSIUM IODIDE

PRODUCT CODE	H60454	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(7681-11-0)	
ATOMIC OR MOLECULAR FORMULA	KI	KI
ATOMIC OR MOLECULAR WEIGHT	166.00	
PROPERTIES	On long exposure to air becomes yellow due to liberation of iodine.	
PARAMETER	LIMIT	
Description	Colourless or white crystals or crystalline powder or granules.	
Solubility	10% Solution in water is clear & colourless.	
Identification	Passes test.	
Minimum Assay (oxidimetric; after drying)	99.8%	
MAXIMUM LIMIT OF IMPURITIES		
Loss on drying (at 120°C)	0.2%	
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		IMDG Code :
Hazard statements :Not hazardous. No hazards.		UN No. :
Precautionary statements		IATA :
Prevention: -----		
Response: ---		
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) :--		

Replace date 07-Nov-2025