



# Product Specification

cdhfinechemical.com

## POTASSIUM IODIDE AR/ACS

<b>PRODUCT CODE</b>	<b>614465</b>	
<b>SYNONYMS</b>	--	
<b>C.I. NO.</b>	--	
<b>CASR NO.</b>	<b>(7681-11-0)</b>	
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>KI</b>	<b>KI</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>166.00</b>	
<b>PROPERTIES</b>	<b>On long exposure to air becomes yellow due to liberation of iodine.</b>	
<b>PARAMETER</b>	<b>LIMIT</b>	
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%	
<b>MAXIMUM LIMIT OF IMPURITIES</b>		
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 <sub>4</sub> )	0.001%	
Sulphate (SO <sub>4</sub> )	0.005%	
Nitrogen compounds (N)	0.001%	
Barium (Ba)	0.001%	
Calcium (Ca)	0.0005%	
Copper (Cu)	0.0002%	
Cyanide	Passes test.	
Iodate (IO <sub>3</sub> )	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.	
<b>Note(s) : Assay (if applicable) method mentioned.</b>		
<b>WARNING</b>		IMDG Code :
<b>Hazard statements</b> :Not hazardous. No hazards.		UN No. :
<b>Precautionary statements</b>		IATA :
<b>Prevention</b> : -----		
<b>Response</b> : ---		
<b>Disposal</b> :Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.		
<b>Hazard Pictogram(s)</b> :--		