



SDFCL
s d fine-CHEM limited



Quality Control Dept.

Product Specification

E Control	QC2\DATAD\D:\PS\20212XPS.xls		
PRODUCT CODE	20212		
PRODUCT NAME	POTASSIUM IODIDE AR Meets Analytical Specification of IP, BP, USP, Ph. Eur.		
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		
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%		
Loss on drying (at 120 °C)	Max. 0.5%		
MAXIMUM LIMIT OF IMPURITIES			
Insoluble matter	0.003%		
Acidity (HI)	0.0065%		
Alkalinity (KOH)	0.012%		
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) :--			
Prepared By : Name/Dept. : Officer (Q.A.)	Checked By: Name/Dept.:Incharge(Q.A.)	Approved By: Name/Dept. : Incharge (Tech.)	Issue Date : 01.07.2002 Revision No.: 02

Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010
Date : 01.04.2010	Date : 01.04.2010	Date : 02.04.2010	AMEND NO. : 1554

