

PRODUCT IDENTITY

PRODUCT NAME	Potassium iodide	PRODUCT NUMBER	P116280
Grades & Purity	GR, ≥99.5%(AT)	VERSION	3
CAS NUMBER	7681-11-0	FORMULA	KI
FORMULA WEIGHT	166.00g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Lithium(Li)	0-5 (ppm)
Strontium(Sr)	0-5 (ppm)
Phospate(PO4)	0-10 (ppm)
Calcium(Ca)	0-10 (ppm)
Manganese(Mn)	0-5 (ppm)
PH(25 °C, 1 M in Water)	6-9
Sulfate(SO42-)	0-10 (ppm)
Purity(Titration by AgNO3)	99.5-100.5 (%)
Magnesium (Mg)	0-5 (ppm)
Cobalt(ICP)	0-5 (ppm)

PARAMETER	SPECIFICATION / LIMIT
Cadmium(Cd)	0-5 (ppm)
Sodium(Na)	0-300 (ppm)
lead by ICP-atomic emission	0-5 (ppm)
Zinc(ICP)	0-5 (ppm)
Nickel(ICP)	0-5 (ppm)
Iodate (IO ₃ -)	0-2 (ppm)
Chromium (ICP)	0-5 (ppm)
Bismuth(Bi)	0-5 (ppm)
Loss on drying	0-0.5 (%)
Barium(Ba)	0-5 (ppm)
Aluminum(Al)	0-5 (ppm)
Molybdenum(Mo)	0-5 (ppm)
Copper(ICP)	0-5 (ppm)
Bromide, chloride (as Cl)	0-100 (ppm)
Arsenic traces(MHS-AAS)	0-0.1 (ppm)
Iron(Fe)	0-5 (ppm)
Appearance (P116280)	Colorless or White Powder or Crystals

PARAMETER	SPECIFICATION / LIMIT
cut-off	Absorption 273nm cut-off 1M water
Residue (filter test)	no residue
Solubility in H ₂ O , complete colorless (1m in water , 20 °C)	pass
X-Ray Diffraction	Conforms to Structure
Total Nitrogen	0-10 (ppm)