

Certificate of Analysis

Date of Testing: 2024-11-12 17:25:08

Date of Next Testing: 2026-11-02 17:25:08

Product Name: **Potassium iodide**

CAS Number: 7681-11-0

Specifications & Purity: GR, ≥99.5%(AT)

Lot #: K2407435

SKU # **P116280**

Version **1**

Analysis #: **418974**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Lithium(Li)	0-5 (ppm)	0.21 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Phospate(PO4)	0-10 (ppm)	0.00 ppm
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Sulfate(SO42-)	0-10 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Cobalt(ICP)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
lead by ICP-atomic emission	0-5 (ppm)	0.00 ppm
Zinc(ICP)	0-5 (ppm)	0.00 ppm
Nickel(ICP)	0-5 (ppm)	0.00 ppm
Iodate (IO3-)	0-2 (ppm)	0.00 ppm
Chromium (ICP)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Loss on drying	0-0.5 (%)	0.17 %
Barium(Ba)	0-5 (ppm)	0.00 ppm
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Copper(ICP)	0-5 (ppm)	0.00 ppm
Bromide, chloride (as Cl)	0-100 (ppm)	12.00 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Total Nitrogen	0-10 (ppm)	0.30 ppm
PH(25 °C, 1 M in Water)	6-9	6.10

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Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	99.5-100.5 (%)	99.51 %
Sodium(Na)	0-300 (ppm)	300.00 ppm
Appearance (P116280)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
cut-off	Absorption 273nm cut-off 1M water	Absorption 273nm cut-off 1M water
Residue (filter test)	no residue	no residue
Solubility in H ₂ O , complete colorless (1m in water , 20 °C)	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John.Su".

John Su
QA & QC Manager