

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-03 14:00:47  
 Date of Next Testing: 2025-10-23 14:00:47  
 Product Name: **Potassium iodide**  
 CAS Number: 7681-11-0  
 Specifications & Purity: Guaranteed Reagent, ≥99.5%(AT)  
 Lot #: B2207536  
 SKU #: **P116280**  
**Analysis:** **291864**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Lithium(Li)	0-5 (ppm)	0.14 ppm
Strontium(Sr)	0-5 (ppm)	0.84 ppm
Phosphate(PO4)	0-10 (ppm)	2.36 ppm
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.13 ppm
PH(25 °C, 1 M in Water)	6-9	6.33
Sulfate(SO42-)	0-10 (ppm)	4.55 ppm
Purity(Titration by AgNO3)	99.5-100.5 (%)	99.51%
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Cobalt(ICP)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-300 (ppm)	64.35 ppm
lead by ICP-atomic emission	0-5 (ppm)	0.00 ppm
Zinc(ICP)	0-5 (ppm)	3.00 ppm
Nickel(ICP)	0-5 (ppm)	0.00 ppm
Iodate (IO3-)	0-2 (ppm)	1.11 ppm
Chromium (ICP)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Loss on drying	0-0.5 (%)	0.20%
Barium(Ba)	0-5 (ppm)	2.75 ppm
Aluminum(Al)	0-5 (ppm)	0.08 ppm
Molybdenum(Mo)	0-5 (ppm)	0.17 ppm
Copper(ICP)	0-5 (ppm)	0.00 ppm
Bromide, chloride (as Cl)	0-100 (ppm)	23.60 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.18 ppm

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Parameter	Limit Values	Result
Total Nitrogen	0-10 (ppm)	2.69 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 <sub>2</sub> O , complete colorless (1m in water , 20 °C)	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager