

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-12 15:53:26  
 Date of Next Testing: 2024-12-01 15:53:26  
 Product Name: **Potassium iodide**  
 CAS Number: 7681-11-0  
 Specifications & Purity: Ultra pure, ≥99.5%(AT)  
 Lot #: B2108094  
 SKU #: **P116280**  
**Analysis:** **166709**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Lithium(Li)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Phosphate(PO4)	0-10 (ppm)	2.60 ppm
Calcium(Ca)	0-10 (ppm)	3.30 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
PH(25 °C, 1 M in Water)	6-9	6.70
Sulfate(SO42-)	0-10 (ppm)	5.60 ppm
Purity(Titration by AgNO3)	99.5-100.5 (%)	99.80 %
Magnesium(Mg)	0-5 (ppm)	1.70 ppm
Cobalt(ICP)	0-5 (ppm)	2.21 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-300 (ppm)	0.00 ppm
lead by ICP-atomic emission	0-5 (ppm)	0.70 ppm
Zinc(ICP)	0-5 (ppm)	2.20 ppm
Nickel(ICP)	0-5 (ppm)	3.30 ppm
Iodate (IO3-)	0-2 (ppm)	0.12 ppm
Chromium (ICP)	0-5 (ppm)	0.80 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Loss on drying	0-0.5 (%)	0.30 %
Barium(Ba)	0-5 (ppm)	0.00 ppm
Aluminum(Al)	0-5 (ppm)	2.10 ppm
Molybdenum(Mo)	0-5 (ppm)	2.20 ppm
Copper(ICP)	0-5 (ppm)	2.50 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)	1.75 ppm

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Parameter	Limit Values	Result
Total Nitrogen	0-10 (ppm)	5.00 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 <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