

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-27 17:16:56  
 Date of Next Testing: 2024-07-16 17:16:56  
 Product Name: **Potassium iodide**  
 CAS Number: 7681-11-0  
 Specifications & Purity: Guaranteed Reagent, ≥99.5%(AT)  
 Lot #: G2221380  
 SKU #: **P116280**  
**Analysis:** **105051**  
 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)	6.98 ppm
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.04 ppm
PH(25 °C, 1 M in Water)	6-9	8.17
Sulfate(SO42-)	0-10 (ppm)	7.36 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Cobalt(ICP)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-300 (ppm)	22.48 ppm
Zinc(ICP)	0-5 (ppm)	0.00 ppm
Nickel(ICP)	0-5 (ppm)	0.04 ppm
Iodate (IO3-)	0-2 (ppm)	1.69 ppm
Chromium (ICP)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.91 ppm
Loss on drying	0-0.5 (%)	0.00 %
Barium(Ba)	0-5 (ppm)	0.12 ppm
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Copper(ICP)	0-5 (ppm)	0.67 ppm
Bromide, chloride (as Cl)	0-100 (ppm)	66.99 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)	8.32 ppm
Purity(Titration by AgNO3)	99.5-100.5 (%)	99.51 %
Cadmium(Cd)	0-5 (ppm)	1.84 ppm

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<b>Parameter</b>	<b>Limit Values</b>	<b>Result</b>
lead by ICP-atomic emission	0-5 (ppm)	3.60 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 H2O , complete colorless (1m in water , 20 °C)	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager