

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-28 13:29:29
 Date of Next Testing: 2024-10-17 13:29:29
 Product Name: **Potassium iodide**
 CAS Number: 7681-11-0
 Specifications & Purity: Guaranteed Reagent, ≥99.5%(AT)
 Lot #: J2226738
 SKU #: **P116280**
Analysis: **136624**
 Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|-----------------------------|----------------|-----------|
| Lithium(Li) | 0-5 (ppm) | 0.03 ppm |
| Strontium(Sr) | 0-5 (ppm) | 0.00 ppm |
| Phosphate(PO4) | 0-10 (ppm) | 0.00 ppm |
| Calcium(Ca) | 0-10 (ppm) | 0.82 ppm |
| Manganese(Mn) | 0-5 (ppm) | 0.00 ppm |
| PH(25 °C, 1 M in Water) | 6-9 | 8.27 |
| 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) | 0.63 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 (%) | 0.01 % |
| Barium(Ba) | 0-5 (ppm) | 0.22 ppm |
| Aluminum(Al) | 0-5 (ppm) | 0.00 ppm |
| Molybdenum(Mo) | 0-5 (ppm) | 0.00 ppm |
| Copper(ICP) | 0-5 (ppm) | 0.35 ppm |
| Bromide, chloride (as Cl) | 0-100 (ppm) | 48.00 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) | 1.25 ppm |
| Purity(Titration by AgNO3) | 99.5-100.5 (%) | 100.49 % |

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| Parameter | Limit Values | Result |
|--|---------------------------------------|---------------------------------------|
| Sodium(Na) | 0-300 (ppm) | 64.55 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