

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2025-08-22 10:16:08  
Date of Next Testing: 2027-08-12 10:16:08  
Product Name: **Potassium iodide**  
CAS Number: 7681-11-0  
Specifications & Purity: GR, ≥99.5%(AT)  
Lot #: H2520450  
SKU #: **P116280**  
Version: **1**  
Analysis #: **438676**  
Storage Temperature: Argon charged

| Parameter                   | Limit Values   | Result       |
|-----------------------------|----------------|--------------|
| Lithium(Li)                 | 0-5 (ppm)      | 0.62450 ppm  |
| Strontium(Sr)               | 0-5 (ppm)      | 0.00000 ppm  |
| Phospate(PO4)               | 0-10 (ppm)     | 0.00000 ppm  |
| Calcium(Ca)                 | 0-10 (ppm)     | 1.41140 ppm  |
| Manganese(Mn)               | 0-5 (ppm)      | 0.00000 ppm  |
| PH(25 °C, 1 M in Water)     | 6-9            | 6.64000      |
| Purity(Titration by AgNO3)  | 99.5-100.5 (%) | 99.86200 %   |
| Magnesium(Mg)               | 0-5 (ppm)      | 0.00000 ppm  |
| Cobalt(ICP)                 | 0-5 (ppm)      | 0.00000 ppm  |
| Cadmium(Cd)                 | 0-5 (ppm)      | 0.00000 ppm  |
| Sodium(Na)                  | 0-300 (ppm)    | 0.52600 ppm  |
| lead by ICP-atomic emission | 0-5 (ppm)      | 0.00000 ppm  |
| Zinc(ICP)                   | 0-5 (ppm)      | 0.00000 ppm  |
| Nickel(ICP)                 | 0-5 (ppm)      | 0.00000 ppm  |
| Iodate (IO3-)               | 0-2 (ppm)      | 0.00000 ppm  |
| Chromium (ICP)              | 0-5 (ppm)      | 0.00000 ppm  |
| Bismuth(Bi)                 | 0-5 (ppm)      | 0.00000 ppm  |
| Loss on drying              | 0-0.5 (%)      | 0.27470 %    |
| Barium(Ba)                  | 0-5 (ppm)      | 0.00000 ppm  |
| Aluminum(Al)                | 0-5 (ppm)      | 0.00000 ppm  |
| Molybdenum(Mo)              | 0-5 (ppm)      | 0.00000 ppm  |
| Copper(ICP)                 | 0-5 (ppm)      | 0.00000 ppm  |
| Bromide, chloride (as Cl)   | 0-100 (ppm)    | 44.00000 ppm |
| Arsenic traces(MHS-AAS)     | 0-0.1 (ppm)    | 0.00000 ppm  |
| Iron(Fe)                    | 0-5 (ppm)      | 0.00000 ppm  |

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| Parameter                                                    | Limit Values                          | Result                                |
|--------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Total Nitrogen                                               | 0-10 (ppm)                            | 0.02500 ppm                           |
| Sulfate(SO42-)                                               | 0-10 (ppm)                            | 0.00000 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                 |

