

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

**Product Name:** Potassium iodide  
**Specifications & Purity:** Guaranteed Reagent, ≥99.5%(AT)  
**SKU #** P116280

| Parameter   | Limit Values   |
|---|--|
| Lithium(Li)   | 0-5 (ppm)  |
| Strontium(Sr)   | 0-5 (ppm)  |
| Phosphate(PO <sub>4</sub> )   | 0-10 (ppm)   |
| Calcium(Ca)   | 0-10 (ppm)   |
| Manganese(Mn)   | 0-5 (ppm)  |
| PH(25 °C, 1 M in Water)   | 6-9  |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                                   | 0-10 (ppm)   |
| Purity(Titration by AgNO <sub>3</sub> )                                   | 99.5-100.5 (%)   |
| Magnesium (Mg)  | 0-5 (ppm)  |
| Cobalt(ICP)   | 0-5 (ppm)  |
| Cadmium(Cd)   | 0-5 (ppm)  |
| Sodium(Na)  | 0-300 (ppm)  |
| lead by ICP-atomic emission   | 0-5 (ppm)  |
| Zinc(ICP)   | 0-5 (ppm)  |
| Nickel(ICP)   | 0-5 (ppm)  |
| Iodate (IO <sub>3</sub> <sup>-</sup> )                                    | 0-2 (ppm)  |
| Chromium (ICP)  | 0-5 (ppm)  |
| Bismuth(Bi)   | 0-5 (ppm)  |
| Loss on drying  | 0-0.5 (%)  |
| Barium(Ba)  | 0-5 (ppm)  |
| Aluminum(Al)  | 0-5 (ppm)  |
| Molybdenum(Mo)  | 0-5 (ppm)  |
| Copper(ICP)   | 0-5 (ppm)  |
| Bromide, chloride (as Cl)   | 0-100 (ppm)  |
| Arsenic traces(MHS-AAS)   | 0-0.1 (ppm)  |
| Iron(Fe)  | 0-5 (ppm)  |
| Appearance (P116280)<br>cut-off   | Colorless or White Powder or Crystals<br>Absorption 273nm cut-off 1M water |
| Residue (filter test)   | no residue   |
| Solubility in H <sub>2</sub> O , complete colorless (1m in water , 20 °C) | pass   |
| X-Ray Diffraction   | Conforms to Structure  |
| Total Nitrogen  | 0-10 (ppm)   |