

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-21 14:38:58

Date of Next Testing: 2029-08-20 14:38:58

Product Name: **Potassium bisulfate**

CAS Number: 7646-93-7

Specifications & Purity: $\geq 99.995\%$ metals basis

Lot #: K2113378

SKU #: **P111551**

Version: **2**

Analysis #: **557809**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Total Metallic Impurities	0-50 (ppm)	49.00000 ppm
uranium(U)	0-0.01 (ppm)	0.00010 ppm
Dysprosium(Dy)	0-0.01 (ppm)	0.00010 ppm
Cerium(Ce)	0-0.05 (ppm)	0.01200 ppm
Iron(Fe)	0-1 (ppm)	0.12000 ppm
Gallium(Ga)	0-0.05 (ppm)	0.01200 ppm
Calcium(Ca)	0-5 (ppm)	2.15000 ppm
Praseodymium(Pr)	0-0.01 (ppm)	0.00120 ppm
Lanthanum(La)	0-0.01 (ppm)	0.00010 ppm
Sodium(Na)	0-5 (ppm)	1.00000 ppm
Mercury(Hg)	0-0.005 (ppm)	0.00120 ppm
Zinc(Zn)	0-0.1 (ppm)	0.01200 ppm
Aluminum(Al)	0-0.1 (ppm)	0.03500 ppm
Yb	0-0.01 (ppm)	0.00120 ppm
Samarium(Sm)	0-0.01 (ppm)	0.00100 ppm
Chromium(Cr)	0-0.5 (ppm)	0.13000 ppm
Manganese(Mn)	0-0.02 (ppm)	0.00100 ppm
Terbium(Tb)	0-0.01 (ppm)	0.00120 ppm
(As)Arsenic	0-0.01 (ppm)	0.00120 ppm
Gadolinium(Gd)	0-0.01 (ppm)	0.00010 ppm
Holmium(Ho)	0-0.01 (ppm)	0.00230 ppm
Vanadium(V)	0-0.01 (ppm)	0.00011 ppm
Strontium(Sr)	0-5 (ppm)	0.12000 ppm
Beryllium(Be)	0-0.01 (ppm)	0.00011 ppm
Niobium(Nb)	0-0.05 (ppm)	0.01200 ppm

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter	Limit Values	Result
Chloride (Cl-)	0-5 (ppm)	0.12000 ppm
Barium(Ba)	0-0.5 (ppm)	0.01100 ppm
Molybdenum(Mo)	0-0.05 (ppm)	0.00100 ppm
Titanium(Ti)	0-0.05 (ppm)	0.02300 ppm
Purity(Based On Trace Metals Analysis)	99.995-100 (%)	99.99510 %
Magnesium(Mg)	0-1 (ppm)	0.01000 ppm
Sc	0-0.05 (ppm)	0.01200 ppm
Th	0-0.01 (ppm)	0.00010 ppm
Indium(In)	0-0.01 (ppm)	0.00120 ppm
(Pb)Lead	0-0.05 (ppm)	0.01200 ppm
Cobalt(Co)	0-0.01 (ppm)	0.00120 ppm
Lu	0-0.01 (ppm)	0.00010 ppm
Yttrium(Y)	0-0.01 (ppm)	0.00120 ppm
Cadmium(Cd)	0-0.01 (ppm)	0.00010 ppm
Erbium(Er)	0-0.01 (ppm)	0.00120 ppm
Lithium(Li)	0-0.2 (ppm)	0.01000 ppm
Europium(Eu)	0-0.01 (ppm)	0.00010 ppm
Phosphate(PO4)	0-10 (ppm)	0.01000 ppm
Copper(Cu)	0-0.02 (ppm)	0.00100 ppm
Nickel(Ni)	0-1 (ppm)	0.12000 ppm
Total Nitrogen	0-10 (ppm)	1.50000 ppm
Appearance (P111551)	White or Opaque Powder, Crystals and/or Chunks	White or Opaque Powder, Crystals and/or Chunks
ICP: Confirms K and S Components	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager