

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-11-08 10:08:43
Date of Next Testing:	2026-11-07 10:08:43
Product Name:	Sodium sulfate
CAS Number:	7757-82-6
Specifications & Purity:	Ultrapure BioReagent, anhydrous, ≥99.0% (T)
Lot #:	K2306332
SKU #	S433906
Analysis:	287027

Parameter	Limit Values	Result
Purity(Ion exchange titration)	99-101 (%)	99.62%
Aluminium(Al)	0-5 (ppm)	0.00000 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Calcium(Ca)	0-20 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-100 (ppm)	12.76 ppm
Lithium(Li)	0-5 (ppm)	0.13 ppm
Magnesium(Mg)	0-20 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Lead(Pb)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Arsenic Traces	0-1 (ppm)	0.00000 ppm
Chloride (Cl-)	0-10 (ppm)	0.00 ppm
Total Nitrogen	0-5 (ppm)	0.00 ppm
(PO4)Phosphate	0-20 (ppm)	0.00 ppm
PH(Solution)	5.0-7.5	6.53300
UV Absorbance 260nm(at 1M in H2O)	0-0.02	0.01
UV Absorbance 280nm(at 1M in H2O)	0-0.018	0.01
Loss on Ignition(900 °C)	0-0.2 (%)	0.13%

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Parameter	Limit Values	Result
Appearance(S433906)	Colorless Or White Powder Or Crystals	Colorless or White Powder or Crystals
Solubility in H2O,Colorless,Clear,1M	Pass	Pass
Residue (filter test)	no residue	no residue
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager