

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-02-10 15:25:04

Date of Next Testing: 2030-02-09 15:25:04

Product Name: **BES**

CAS Number: 10191-18-1

Specifications & Purity: $\geq 99.5\%$ (T)

Lot #: B2603201

SKU #: **B105116**

Version: **1**

Analysis #: **639626**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Potassium(K)	0-50 (ppm)	0.00000 ppm
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Zinc(Zn)	0-5 (ppm)	0.00000 ppm
Calcium(Ca)	0-10 (ppm)	0.00000 ppm
Sodium(Na)	0-50 (ppm)	15.00000 ppm
Barium(Ba)	0-5 (ppm)	0.00000 ppm
Manganese(Mn)	0-5 (ppm)	0.00000 ppm
PH(25 °C, 1 M in Water)	2.5-5	3.54000
Cobalt(Co)	0-5 (ppm)	0.00000 ppm
Nickel(Ni)	0-5 (ppm)	0.00000 ppm
Bismuth(Bi)	0-5 (ppm)	1.00000 ppm
Cadmium(Cd)	0-5 (ppm)	0.00000 ppm
UV Absorbance 280nm	0-0.08	0.02500
Copper(Cu)	0-5 (ppm)	0.00000 ppm
Chromium(Cr)	0-5 (ppm)	0.00000 ppm
Strontium(Sr)	0-5 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00000 ppm
(As)Arsenic	0-0.1 (ppm)	0.00000 ppm
Magnesium(Mg)	0-5 (ppm)	0.00000 ppm
Lithium(Li)	0-5 (ppm)	0.00000 ppm
UV Absorbance 260nm	0-0.095	0.02300
Aluminum(Al)	0-5 (ppm)	0.00000 ppm
(Pb)Lead	0-5 (ppm)	0.00000 ppm
Assay	99.5-100 (%)	99.51000 %
useful PH range	6.4-7.8	6.41000

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Parameter	Limit Values	Result
Appearance (B105116)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , soluble , 1M , 20°C, clear, colorless	pass	Pass
λ, 1 M in H ₂ O	Pass	Pass



John Su
QA & QC Manager