

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-09-02 17:16:55

Date of Next Testing: 2028-08-22 17:16:55

Product Name: **BES**

CAS Number: 10191-18-1

Grades & Purity: Suitable for molecular biology, ≥99.5%(T)

Lot #: H2627069

SKU #: **B105117**

Version: **0**

Analysis #: **673835**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
pH	2.5-5	3.63000
Cobalt(Co)	0-5 (ppm)	0.00000 ppm
Aluminum(Al)	0-5 (ppm)	0.00000 ppm
Barium(Ba)	0-5 (ppm)	0.00000 ppm
(As)Arsenic	0-0.1 (ppm)	0.00000 ppm
Chromium(Cr)	0-5 (ppm)	0.00000 ppm
Assay	99.5-100 (%)	99.54000 %
Copper(Cu)	0-5 (ppm)	0.00000 ppm
useful PH range	6.4-7.8	7.25200
Ignition Residue (as sulfate)	0-0.05 (%)	0.03980 %
Cadmium(Cd)	0-5 (ppm)	0.00000 ppm
Calcium(Ca)	0-10 (ppm)	0.00000 ppm
Bismuth(Bi)	0-5 (ppm)	0.00000 ppm
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Potassium(K)	0-50 (ppm)	0.00000 ppm
Sulfate(SO42-)	0-100 (ppm)	43.00000 ppm
Chloride (Cl-)	0-50 (ppm)	50.00000 ppm
DNases	none detected	none detected
Insoluble matter	pass	Pass
proteases	none detected	none detected
RNases	none detected	none detected
Solubility in H2O , soluble , 1M , 20°C, clear, colorless	pass	Pass
phosphatases	none detected	none detected
pKa	6.8	6.8

John Su

John Su
QA & QC Manager