

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-10-11 08:55:48
Date of Next Testing:	2026-10-10 08:55:48
Product Name:	Sodium pentanesulfonate
CAS Number:	22767-49-3
Specifications & Purity:	BioReagent Plus
Lot #:	J2309581
SKU #	S432350
Analysis:	280243

Parameter	Limit Values	Result
Purity(Ion exchange titration)	99-102.5 (%)	99.73%
Insoluble matter	0-0.1 (%)	0.00%
Aluminum(Al)	0-0.0005 (%)	0.00%
Calcium(Ca)	0-0.001 (%)	0.00%
Copper(Cu)	0-0.0005 (%)	0.00%
Iron(Fe)	0-0.0005 (%)	0.00%
Lead(Pb)	0-0.001 (%)	0.00%
Magnesium(Mg)	0-0.0005 (%)	0.00%
Phosphorus (P)	0-0.001 (%)	0.00%
Zinc(Zn)	0-0.0005 (%)	0.00%
Potassium(K)	0-0.005 (%)	0.00%
Chloride Content	0-0.05 (%)	0.00%
Ammonia (NH ₄)	0-0.05 (%)	0.00%
Appearance(S432350)	White Powder	White powder
Solubility(0.5M in Water at 20 Degrees Celsius),Clear Colorless	Pass	Pass
ICP: Confirms Sodium Component	Confirmed	Confirmed
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager