

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-18 11:49:00

Date of Next Testing: 2029-09-17 11:49:00

Product Name: **Sulfobetaine 12**

CAS Number: 14933-08-5

Specifications & Purity: $\geq 98\%$

Lot #: I2512424

SKU #: **S105512**

Version: **2**

Analysis #: **563452**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Ignition Residue	0-0.1 (%)	0.01388 %
Nitrogen by Elemental Analysis	3.9-4.4 (%)	4.22000 %
Zinc(Zn)	0-5 (ppm)	0.00000 ppm
Carbon by Elemental Analysis	59.4-61 (%)	60.89800 %
Insoluble matter	0-0.1 (%)	0.00000 %
Calcium(Ca)	0-0.002 (%)	0.00000 %
Copper(Cu)	0-5 (ppm)	0.00000 ppm
Potassium(K)	0-50 (ppm)	14.00000 ppm
Phosphate(PO ₄)	0-5 (ppm)	0.00000 ppm
Chloride (Cl ⁻)	0-0.05 (%)	0.00000 %
Purity(HPLC)	98-100 (%)	100.00000 %
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Hydrogen by Elemental Analysis	10.7-11.3 (%)	10.87900 %
Aluminum(Al)	0-5 (ppm)	0.00000 ppm
Magnesium(Mg)	0-5 (ppm)	0.00000 ppm
(Pb)Lead	0-0.001 (%)	0.00000 %
Ammonia (NH ₄)	0-500 (ppm)	0.00000 ppm
Sodium(Na)	0-50 (ppm)	16.00000 ppm
Sulfur by Elemental Analysis	9.15-9.75 (%)	9.21000 %
Appearance (S105512)	White powder	White powder
Solubility in Water	almost transparency	almost transparency
Infrared spectrum	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager