

Sodium Selenite

PRODUCT & BATCH INFORMATION

Product Name	Sodium Selenite
Catalogue Number	AS-8015
CAS Number	10102-18-8
Batch / Lot Number	SC24103-01
Manufacture Date	JUN 2025
Expiry Date	APR 20230
Quantity Analysed	25 g
Date of Analysis	18 June 2024

CERTIFICATE OF ANALYSIS RESULTS

Test	Specification	Result
Description	White or almost white, crystalline, deliquescent powder	Complies — white deliquescent powder
Solubility	Freely soluble in water; practically insoluble in ethanol (96%) and ether	Complies
Identification A	Positive reaction with HCl/sodium thiosulfate (reddish-orange precipitate)	Complies
Identification B	Characteristic reaction of sodium salts	Complies
Clarity of Solution	Not more opalescent than reference suspension	Complies
pH	9.8 – 10.8	10.31
Alkalinity	≤ 0.25 mL of 1M HCl required	Complies
Chlorides	≤ 50 ppm	< 50 ppm
Sulfates and Selenates	≤ 50 ppm	Nil
Iron	≤ 50 ppm	< 50 ppm
Loss on Drying (130°C)	≤ 0.5%	0.34%
Selenium (Se, dry basis)	≥ 45.0%	45.50%
Assay (dry basis)	98.5% – 101.5%	99.40%

REPORT: The sample submitted for analysis complies with the specifications of the standard.

TRACEABILITY & SOURCE

This Certificate of Analysis reproduces the results of batch-specific analytical testing performed by the manufacturing laboratory, Macsen Laboratories (Udaipur, Rajasthan, India), on the batch supplied to AuSaMicS Pty Ltd. AuSaMicS Pty Ltd distributes this material under quality-controlled storage and handling conditions and retains the original supplier Certificate of Analysis on file for full traceability.

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