



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-212946
Lot Number: SAMPLE
Product Name: Sodium sulfide nonahydrate
CAS Number: 1313-84-4
Molecular Formula: $\text{Na}_2\text{S} \cdot 9\text{H}_2\text{O}$
Molecular Weight: 240.18

Test	Specification	Result
Appearance (Color)	Colorless to white to slight yellow	Colorless
Appearance (Form)	Crystals or chunks	Crystals
Identification (ICP)	Confirms sodium and sulfur components	Complies
Identification (X-Ray Diffraction)	Consistent with structure	Complies
Purity	$\leq 0.1\%$ (Sulfite and Thiosulfate)	$< 0.1\%$ (Sulfite and Thiosulfate)
Purity (Titration)	$\geq 98.0\%$ (by $\text{Na}_2\text{S}_2\text{O}_3$)	99.4%
Ammonia	$\leq 0.005\%$	0.002%
Iron	Passes	Complies

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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