



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-251036
Lot Number: SAMPLE
Product Name: Sodium octyl sulfate
CAS Number: 142-31-4
Molecular Formula: $C_8H_{17}O_4S \cdot Na$
Molecular Weight: 232.27

Test	Result
Appearance	Fine white crystalline powder
Identification (Infrared Spectrum)	Consistent with structure
Purity (Titration)	99.6%
Solubility	Clear and colorless (25% aqueous solution at 25 °C)
UV/Visible Spectrum	0.004 AU at 250 nm
Loss on Drying	0.1% (60 °C, vacuum)
Related Substances	Octanol: < 0.5% (GC) Alkyl sulfate homologues: < 1.0%
Chloride	< 0.05%

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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