



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-237291
Lot Number: SAMPLE
Product Name: Tridodecylmethylammonium iodide
CAS Number: 29710-98-3
Molecular Formula: $[\text{CH}_3(\text{CH}_2)_{11}\text{N}(\text{I})\text{CH}_3]$
Molecular Weight: 663.93

Test	Specification	Result
Appearance	White to yellow powder or crystals	White powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Silver Nitrate Titration)	96.5 - 103.5 %	100.2 %
Purity (TLC)	$\geq 97\%$	$> 99\%$
Solubility	Clear colorless to yellow solution at 25 mg/ml in CHCl_3	Clear very faint yellow solution at 25 mg/ml in CHCl_3
Carbon Content	64.6 - 69.3 %	66.8 %
Nitrogen Content	1.9 - 2.2 %	1.9 %

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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