



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-482096  
Lot Number: SAMPLE  
Product Name: Didodecyltrimethylammonium chloride  
CAS Number: 3401-74-9  
Molecular Formula:  $C_{26}H_{56}ClN$   
Molecular Weight: 418.18

Test	Result
Appearance	Off-White to Pale Yellow Low Melting Solid
Identification (1H-NMR)	Complies
Identification (Mass Spectrometry)	Complies
Purity (TLC)	95%
Atmosphere	Inert Gas
Elemental Analysis	(Found) %C: 71.65, %H: 13.40, %N: 3.21; (Calculated) %C: 74.68, %H: 13.50, %N: 3.35
Solubility	DMSO (Slightly), Hexanes (Slightly), Methanol (Slightly)
Chloride	6.40% by Ion Chromatography
Water Content (KF)	3.4%

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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