



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-478570
Lot Number: SAMPLE
Product Name: 2-Octyl-1-tetradecanol
CAS Number: 182176-43-8
Molecular Formula: $C_{22}H_{46}O$
Molecular Weight: 326.6
Native Source: Synthetic

Test	Specification	Result
Appearance	Colourless oil	Clear colourless oil
Identification (NMR)		Consistent with structure
Identification (^{13}C -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Identification (TLC)		Complies
Purity (TLC)		97%
Solubility		~10 mg/mL Chloroform ~3 mg/mL Methanol
Specific Rotation		-0.4° (c = 1.0, Chloroform)
Carbon Content	80.90%	81.25%
Hydrogen Content	14.2%	13.79%

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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