



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-228749
Lot Number: SAMPLE
Product Name: N,N-Bis[3-(methylamino)propyl]methanamine
CAS Number: 123-70-6
Molecular Formula: $\text{CH}_3\text{N}(\text{CH}_2\text{CH}_2\text{CH}_2\text{NHCH}_3)_2$
Molecular Weight: 173.30

Test	Specification	Result
Appearance	Colorless to faintly greenish-yellow liquid or viscous liquid	Almost colorless liquid
Identification (1H-NMR)	Consistent with structure	Complies
Purity (GC)	$\geq 97.5\%$	98.0%
Purity (Nonaqueous Titration)	97.5 - 102.5% (0.1 M HClO ₄)	98.9%
Refractive Index (n ₂₀ /D)	1.458 - 1.460	1.459
Water Content	$\leq 1.0\%$	0.3%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com