



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-234818
Lot Number: SAMPLE
Product Name: DL-Lactonitrile
CAS Number: 78-97-7
Molecular Formula: C_3H_5NO
Molecular Weight: 71.08

Test	Specification	Result
Appearance	Colorless to dark red liquid	Colorless liquid
Identification (1H -NMR)	Consistent with structure	Complies
Purity (Titration)	97.0 - 100.0%	97.7%
Refractive Index (n ₂₀ /D)	1.402 - 1.406	1.404
Specific Rotation (α ₂₀ /D)	0.00 \pm 0.10° (Neat)	0.0°
Stabilizer	~1% phosphoric acid	Complies
Water Content	~1%	0.15%

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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