



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-250921
Lot Number: SAMPLE
Product Name: (S)-(-)-1-Phenylethanol
CAS Number: 1445-91-6
Molecular Formula: $C_8H_{10}O$
Molecular Weight: 122.16

Test	Specification	Result
Appearance	Clear colorless to yellow to brown liquid	Clear colorless liquid
Identification (1H -NMR)	Consistent with structure	Complies
Purity (1H -NMR)	> 97.5%	> 98%
Purity (GC)	> 97.5%	99.2%
Clarity of Solution	Forms a clear colorless to yellow to brown solution in chloroform, no particulates	Forms a clear colorless solution in chloroform, no particulates
Optical Rotation	$-44 \pm 2^\circ$ (c = 1 in methanol)	-42.7°
Refractive Index		1.5275
Water Content (KF)	< 1.0%	0.08%

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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