



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-260162  
Lot Number: SAMPLE  
Product Name: (2,2,2-Trifluoroethyl)oxirane  
CAS Number: 407-12-5  
Molecular Formula:  $C_4H_5F_3O$   
Molecular Weight: 126.08

Test	Specification	Result
Appearance	Clear colorless to pale yellow to brown liquid	Clear colorless liquid
Identification ( $^1H$ -NMR)	Consistent with structure	Complies
Identification ( $^{19}F$ -NMR)	Consistent with structure	Complies
Purity ( $^1H$ -NMR)	> 96.5%	> 98%
Purity (GC)	> 96.5%	98.2%
Solution (Clarity)	Form a clear colorless to yellow or pale brown solution in $CDCl_3$ , no particulates	Form a clear colorless solution in $CDCl_3$ , no particulates
Refractive Index	$1.3267 \pm 0.02$	1.3302
Water Content (KF)	< 1.5%	No water detected

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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