



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-357468A
Lot Number: SAMPLE
Product Name: 1-Bromo-4-(1,1-difluoro-ethyl)-benzene
CAS Number: 1000994-95-5
Molecular Formula: $C_8H_7BrF_2$
Molecular Weight: 221.04

Test	Specification	Result
Appearance	Clear colorless to yellow liquid	Pale yellow liquid
Identification (1H -NMR)	Consistent with structure	Complies
Identification (^{13}C -NMR)	Consistent with structure	Complies
Identification (^{19}F -NMR)	Consistent with structure	Complies
Purity (1H -NMR)	$\geq 94\%$	$\geq 97\%$
Purity (GC)	$\geq 94\%$	98.1%
Solution (Clarity)	Forms a clear to yellow solution in chloroform, no particulates	Forms a colorless solution in chloroform, no particulates
Refractive Index		1.502
Water Content (KF)	$\leq 2.5\%$	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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