



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-224594
Lot Number: SAMPLE
Product Name: 1-Butylpiperazine
CAS Number: 5610-49-1
Molecular Formula: $C_8H_{18}N_2$
Molecular Weight: 142.24

Test	Specification	Result
Appearance	Clear colorless to faintly greenish-yellow liquid	Clear faintly greenish-yellow liquid
¹ H-NMR	Conforms to structure	Conforms
Purity (GC)	≥ 97.0%	97.3 %
Purity (Titration)	97.0 - 102.0 %	98.7 %
Refractive index	1.465 - 1.467	1.466
Water Content	≤ 0.5 %	≤ 0.20 %

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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