



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-256883
Lot Number: SAMPLE
Product Name: 5-Amino-2-pyridinecarbonitrile
CAS Number: 55338-73-3
Molecular Formula: $C_6H_5N_3$
Molecular Weight: 119.12

Test	Specification	Result
Appearance	White to brown powder, crystals, crystalline	Dark brown powder
Identification (1H -NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 95.5\%$	96.8%
Purity (Titration)	95.5%-104.5% (with $HClO_4$)	97.1%
Melting Point		146.4 - 151.4 °C
Carbon Content	57.8% - 63.2%	60.62%
Hydrogen Content		4.40%
Nitrogen Content	33.7% - 36.9%	34.73%

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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