



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214597
Lot Number: SAMPLE
Product Name: Betaine monohydrate
CAS Number: 590-47-6
Molecular Formula: $C_5H_{11}NO_2 \cdot H_2O$
Molecular Weight: 135.16

Test	Specification	Result
Appearance	White crystals	Complies
Identification (FTIR)		Consistent with structure
Identification (^{13}C -NMR)		Consistent with structure
Identification (LCMS)		Complies
Purity	$\geq 98\%$	99.2%
Melting Point	309 - 314 °C	Complies
pH	5.0 - 7.0	6.2
Residue on Ignition	$\leq 0.1\%$	Complies
Heavy Metals	≤ 10 ppm	Complies
Loss on Drying	11.0 - 13.5%	13.0%

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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