



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-203298
Lot Number: SAMPLE
Product Name: Tolbutamide
CAS Number: 64-77-7
Molecular Formula: $C_{12}H_{18}N_2O_3S$
Molecular Weight: 270.35

Test	Specification	Result
Appearance	White to off-white powder	White powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity	97.0 - 103.0%	99.9%
Melting Point	Initial melting point: ≥ 126.0 °C Final melting point: ≤ 130.0 °C	Initial melting point: 127.0 °C Final melting point: 129.0 °C
pH	4.5 - 5.5	5.1
Solubility	Colorless, clear solution at 50 mg/ml in ethanol	Complies
Heavy Metals	≤ 20 ppm	< 10 ppm
Loss on Drying	$\leq 0.5\%$	0.3%
Sulfated Ash	$\leq 0.1\%$	0.0%

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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