



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-3594
Lot Number: SAMPLE
Product Name: Chloramphenicol
CAS Number: 56-75-7
Molecular Formula: $C_{11}H_{12}Cl_2N_2O_5$
Molecular Weight: 323.131

Test	Specification	Result
Appearance (Color)	White to yellowish	Slightly yellowish
Appearance (Form)	Crystalline powder	Complies
Chromatographic Purity	$\leq 2.0\%$	Complies
Purity	97.0 - 103.0%	100.9%
Melting Point	149 - 153 °C	149 - 152 °C
pH	4.5 - 7.5	5.3
Residual Solvents	Consistent with requirements	Complies
Residue on Ignition	$\leq 0.1\%$	0.05%
Specific Rotation	+17.0 - +20.0°	+19.4°
Loss on Drying	$\leq 0.5\%$	0.1%

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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