



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-216106
Lot Number: SAMPLE
Product Name: Tris, Hydrochloride
CAS Number: 1185-53-1
Molecular Formula: $C_4H_{11}NO_3 \cdot HCl$
Molecular Weight: 157.60

Test	Specification	Result
Appearance	White crystalline powder	Complies
Assay	99.5 - 101.0%	99.6%
Identification	Conforms to structure	Complies
Melting Point	149 - 153°C	Complies
pH	4.2 - 5.0 (1% aq)	4.4
Solubility	Clear, colorless solution (1M aqueous)	Complies
Infrared Spectrum	Conforms to structure	Complies
UV Absorption	A (260 nm): ≤ 0.06 A (280 nm): < 0.05	0.019 0.0015
Heavy Metals	≤ 5 ppm	Complies
Loss on Drying	$\leq 0.5\%$	0.18%
Iron	≤ 5 ppm	Complies
Nickel	≤ 3 ppm	Complies
Water Content	$\leq 0.5\%$	0.35%

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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