



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-228865
Lot Number: SAMPLE
Product Name: O,O'-1,3-Propanediylbishydroxylamine dihydrochloride
CAS Number: 104845-82-1
Molecular Formula: $C_3H_{10}N_2O_2 \cdot 2HCl$
Molecular Weight: 179.05

Test	Specification	Result
Appearance (Color)	White to off-white	Off white
Appearance (Form)	Powder to crystals	Fine crystals
Identification (1H -NMR)	Consistent with structure	Complies
Identification (^{13}C -NMR)	Consistent with structure	Complies
Purity (Argentometric Titration)	99.0 - 101.0%	99.5%
Melting Point		172 °C (dec.)
Carbon Content	20.12%	20.12%
Hydrogen Content	6.76%	6.84%
Nitrogen Content	15.65%	15.60%
Water Content	$\leq 1.0\%$	0.22%

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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