



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-202000A
Lot Number: SAMPLE
Product Name: 1,1-Dimethylbiguanide, Hydrochloride
CAS Number: 1115-70-4
Molecular Formula: $C_4H_{11}N_5 \cdot HCl$
Molecular Weight: 165.62

Test	Specification	Result
Appearance	White crystal or crystalline powder	Complies
Assay (HPLC)	98.5-101.0% (as dry basis)	100.2%
Melting Point	220-225° C	220.0-221.5° C
Residue on Ignition	≤0.1%	0.02%
Solubility	Water, methanol, slightly soluble in ethanol.	Complies
Absorption Coefficient	778-818	Complies
Heavy Metals	≤10ppm	Complies
Loss on Drying	≤0.5%	0.1%
Related Substances	Dicyandiamide ≤0.02% Single impurity ≤0.1% Total impurities ≤0.5%	0.007% 0.01% 0.04%

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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