



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-202637
Lot Number: SAMPLE
Product Name: Guanidine Hydrochloride
CAS Number: 50-01-1
Molecular Formula: $\text{CH}_5\text{N}_3\cdot\text{HCl}$
Molecular Weight: 95.53

Test	Specification	Result
Appearance	White crystal	Complies
Melting Point	182 - 188°C	183.3 - 186.2°C
pH	4.5 - 6.0	5.9
Residue on Ignition	$\leq 0.05\%$	0.04%
Solubility	Soluble in water	Complies
Water Insoluble Matter	$\leq 0.15\%$	0.10%
Absorbance	$\leq 0.05\%$ (300 nm) $\leq 0.01\%$ (280 nm) $\leq 0.03\%$ (260 nm)	0.025% 0.007% 0.020%
Content	$\geq 99.5\%$	99.82%
Heavy Metals (Pb)	< 10 ppm	Complies
Ammonium Chloride	$\leq 0.2\%$	0.002%
Arsenic	< 3 ppm	Complies
Iron	< 1 ppm	Complies
Water Content	$\leq 0.3\%$	0.20%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com