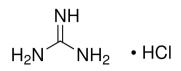
3050 Spruce Street, Saint Louis, MO 63103, USA Website: www.sigma-aldrich.com Email USA: techserv@sial.com Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name : Product Number : Batch Number : Source Batch : CAS Number : MDL Number : Molecular Formula : Formula Weight : Expiry Date : Quality Release Date : Guanidine hydrochloride Molecular Biology, ≥99% G3272-VAR 0000456140 0000445091 50-01-1 NH MFCD00013026 CH₅N₃ · HCl 95.53 g/mol Mar 2027 16 May 2025



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Crystalline Powder	Crystalline Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
at 6 M in H2O (286 g to 500 ml)		
Infrared Spectrum	Conforms to Structure	Conforms
Water (by Karl Fischer)	≤ 0.3 %	0.0 %
UV Absorbance 280nm	≤ 0.05	0.00
6 M solution		
UV Absorbance 290nm	≤ 0.05	0.00
6 M solution		
A260 UV Absorption	≤ 0.10	0.01
6 M solution		
Lead (Pb)	≤ 5 ppm	< 5 ppm
DNase, Exonuclease Detection	None Detected	None Detected
RNase Detection	None Detected	None Detected
Titration with AgNO3	≥ 99 %	100 %
Based on CI content		

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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G3272-VAR

0000456140

Product Batch

J. Yaramaree

Jagodige Yasomanee, Supervisor Quality Assurance

St. Louis, Dekalb

US

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