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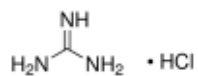
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Product Specification

Product Name:
Guanidine hydrochloride - for molecular biology, ≥99%

Product Number: G3272
CAS Number: 50-01-1
MDL: MFCD00013026
Formula: CH₅N₃ · HCl
Formula Weight: 95.53 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Crystalline Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
at 6 M in H ₂ O (286 g to 500 ml)	
Infrared spectrum	Conforms to Structure
Water (by Karl Fischer)	≤ 0.3 %
UV Absorbance 280nm	≤ 0.05
6 M solution	
UV Absorbance 290nm	≤ 0.05
6 M solution	
A260 UV Absorption	≤ 0.10
6 M solution	
Lead (Pb)	≤ 5 ppm
DNAse, Exonuclease Detection	None Detected
RNAse Detection	None Detected
Titration with AgNO ₃	≥ 99 %
Based on Cl content	
Recommended Retest Period	-----
6 years	

Specification: PRD.2.ZQ5.10000009180

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. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.