

Aladdin 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 Aladdin-e.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.

Specification Sheet

Product Name: **Guanidine Hydrochloride**
Specifications & Purity: for molecular biology, $\geq 99.5\%$ (AT)
SKU #: **G108673**

Parameter	Limit Values
Ignition Residue (as sulfate)	0-0.05 (%)
Sodium(Na)	0-50 (ppm)
Nickel(Ni)	0-5 (ppm)
Potassium(K)	0-50 (ppm)
Iron(Fe)	0-5 (ppm)
Zinc(Zn)	0-5 (ppm)
Calcium(Ca)	0-10 (ppm)
Loss on drying	0-0.5 (%)
UV Absorbance 260nm	0-0.03
(As)Arsenic	0-0.1 (ppm)
Barium(Ba)	0-5 (ppm)
Sulfate(SO ₄ ²⁻)	0-50 (ppm)
Lithium(Li)	0-5 (ppm)
Magnesium (Mg)	0-5 (ppm)
Melting point	187-190 (°C)
Cobalt (Co)	0-5 (ppm)
UV Absorbance 280nm	0-0.02
Manganese(Mn)	0-5 (ppm)
(Pb)Lead	0-5 (ppm)
Purity(Titration by AgNO ₃)	99.5-100.5 (%)
Molybdenum(Mo)	0-5 (ppm)
Chrome(Cr)	0-5 (ppm)
Strontium(Sr)	0-5 (ppm)
Copper(Cu)	0-5 (ppm)
Cadmium(Cd)	0-5 (ppm)
Bismuth(Bi)	0-5 (ppm)
Aluminum(Al)	0-5 (ppm)
pH	4.5-6
Appearance (g108673)	White to Off-White Powder or Solid or Chunks
DNases	none detected

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Tax ID: 91310000685518645K

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Parameter

Infrared spectrum

Insoluble matter

phosphatases

proteases

RNases

Solubility in H₂O , Colorlessλ,6 M in H₂O (6mol/L, H₂O)**Limit Values**

Conforms to Structure

pass

none detected

none detected

none detected

pass

Pass

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