

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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
Infrared spectrum	Conforms to Structure
Insoluble matter	pass

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Parameter	Limit Values
phosphatases	none detected
proteases	none detected
RNases	none detected
Solubility in H ₂ O , Colorless	pass
λ,6 M in H ₂ O (6mol/L, H ₂ O)	Pass