

Certificate of Analysis

Date of Testing: 2024-11-29 14:14:10

Date of Next Testing: 2027-11-29 14:14:10

Product Name: **Glycine**

CAS Number: 56-40-6

Specifications & Purity: UltraBio™, for molecular biology, SuperPure grade, ≥99%(NT)

Lot #: K2427175

SKU #: **G432934**

Version: **1**

Analysis #: **305892**

Parameter	Limit Values	Result
Loss on Drying((HV, 20-26°C))	0-0.05 (%)	0.00000 %
Ignition Residue(Ash)(SO ₄ , 900°C)	0-0.05 (%)	0.00 %
Sulfate(SO ₄ ²⁻)	0-100 (ppm)	0.00 ppm
Chloride(Cl ⁻)	0-50 (ppm)	12.00 ppm
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Lead(Pb)	0-5 (ppm)	0.00 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	0.00 ppm
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Chromium (ICP)	≤ 5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Lithium(Li)	0-5 (ppm)	0.00 ppm
Molybdenum(Mo)	0-5 (ppm)	1.40 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-100 (ppm)	0.98 ppm
A260 UV Absorption(c = 1 M in 1 M HCl)	0-0.05	0.00000
A280 UV Absorption(c = 1 M in 1 M HCl)	0-0.05	0.00000

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Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	99-102 (%)	99.22 %
Ammonium	0-200 (ppm)	199.00000 ppm
Appearance(G432934)	White Powder or Crystals	White Powder or Crystals
Solubility(1 M, 1 M HCl)Colorless Clear	pass	Pass
Infrared spectrum	conforms to structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager