

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-13 13:19:18
 Date of Next Testing: 2027-01-12 13:19:18
 Product Name: **Glycine**
 CAS Number: 56-40-6
 Specifications & Purity: pharmacopedia grade, Ph. Eur., BP, USP, 99-101%
 Lot #: A2310082
 SKU #: **A110751**
Analysis: 157977

Parameter	Limit Values	Result
PH	5.9-6.4	6.28
Ignition Residue (as sulfate)	0-0.1 (%)	0.03 %
other ninhydrin-positive substances	0-0.5 (%)	0.13 %
Sulfate(SO42-)	0-50 (ppm)	12.66 ppm
Loss on drying	0-0.2 (%)	0.10 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Chloride (Cl-)	0-50 (ppm)	5.86 ppm
Assay	99-101(%)	99.10 %
Appearance (A110751)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
hydrolyzable substances	complies	complies
pKa	6.8	6.8
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
reaction against H2SO4	complies	complies
Residual solvents	complies	complies
Solubility in H2O , Colorless transparent , c = 100mg/ml; Water	pass	Pass
volatile organic substances	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager