

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

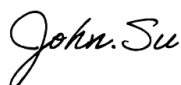
Date of Testing: 2022-08-04 21:31:08
 Date of Next Testing: 2026-08-03 21:31:08
 Product Name: **Gly-Gly**
 CAS Number: 556-50-3
 Specifications & Purity: BioUltra, ≥99.5%(NT)
 Lot #: H2203377
 SKU #: **G119491**
Analysis: 112650

Parameter	Limit Values	Result
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Lead(Pb)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
(As)Arsenic	0-0.1 (ppm)	0.00 ppm
Purity((NT)	99.5-100.5 (%)	99.70 %
Chloride (Cl-)	0-50 (ppm)	39.51 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Sulfate(SO42-)	0-50 (ppm)	41.26 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
PH(20 °C, 1 M in Water)	4.5-6	5.63
Potassium(K)	0-50 (ppm)	0.00 ppm
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Lithium(Li)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Ammonia (NH4)	0-200 (ppm)	0.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
UV Absorbance 260nm	0-0.075	0.07
UV Absorbance 280nm	0-0.072	0.05

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Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.05 (%)	0.00 %
loss on drying, 110 °C	0-0.05 (%)	0.05 %
Appearance (G119491)	White powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless , Clear , 1M λ,1 M in H ₂ O	pass Pass	Pass Pass

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

John Su
QA & QC Manager