

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-03-10 09:15:05
Date of Next Testing:	2029-03-09 09:15:05
Product Name:	γ-Aminobutyric acid (GABA)
CAS Number:	56-12-2
Specifications & Purity:	Moligand™, ≥99%
Lot #:	C2506347
SKU #	A104200
Version	0
Analysis #:	483175
Storage Temperature:	Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)(anhydrous)	98.5-101.5 (%)	99.29000 %
Chloride (Cl ⁻)	0-400 (ppm)	0.00000 ppm
Melting point	196-204 (°C)	198.26000 °C
Heavy metal (as Pb)	0-10 (ppm)	0.00000 ppm
Transmission(C=10, 2 N HCl, 430 nm, 1 cm cell)	95-100 (%)	97.50000 %
Sulfate(SO ₄ ²⁻)	0-500 (ppm)	100.00000 ppm
Sulfate Ash	0-0.1 (%)	0.00000 %
Loss on drying	0-0.5 (%)	0.01200 %
Appearance (A104200)	White to off-white Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , colorless and clear (50mg/ml)	pass	Pass



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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