

Certificate of Analysis

Date of Testing: 2022-10-09 15:25:07
 Date of Next Testing: 2026-10-08 15:25:07
 Product Name: **γ-Aminobutyric acid**
 CAS Number: 56-12-2
 Specifications & Purity: 99%
 Lot #: I2223409
 SKU #: **A104200**
Analysis: **133362**
 Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)(anhydrous)	98.5-101.5 (%)	99.09 %
Chloride (Cl ⁻)	0-400 (ppm)	112.00 ppm
Melting point	196-204 (°C)	202.05000 °C
Heavy metal (as Pb)	0-10 (ppm)	5.30 ppm
Transmission(C=10, 2 N HCl, 430 nm,1 cm cell)	95-100 (%)	97.20 %
Sulfate(SO ₄ ²⁻)	0-500 (ppm)	151.00 ppm
Sulfate Ash	0-0.1 (%)	0.03 %
Loss on drying	0-0.5 (%)	0.23 %
Appearance (A104200)	White to Off-White Powder	White to Off-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 and clear (50mg/ml)	pass	Pass



John Su
QA & QC Manager