

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-10 09:26:41  
Date of Next Testing: 2028-03-09 09:26:41  
Product Name: **γ-Aminobutyric acid (GABA)**  
CAS Number: 56-12-2  
Specifications & Purity: BioReagent, ≥99%  
Lot #: C2506244  
SKU #: **A755686**  
Version: **1**  
Analysis #: **470771**  
Storage Temperature: Room temperature

| Parameter  | Limit Values             | Result                   |
|--|--------------------------|--------------------------|
| Purity(Titration by HClO <sub>4</sub> )(anhydrous) | 98.5-101.5 (%)           | 99.29000 %               |
| Residue on Ignition                                | 0-0.1 (%)                | 0.00000 %                |
| Miscellaneous Tests(Insoluble Matter)              | 0-0.1 (%)                | 0.00000 %                |
| Aluminium(Al)                                      | 0-5 (ppm)                | 0.00000 ppm              |
| Calcium(Ca)  | 0-20 (ppm)               | 0.00000 ppm              |
| Copper(Cu)   | 0-5 (ppm)                | 0.00000 ppm              |
| Iron(Fe)   | 0-5 (ppm)                | 0.00000 ppm              |
| Potassium(K)                                       | 0-50 (ppm)               | 0.00000 ppm              |
| Magnesium(Mg)                                      | 0-50 (ppm)               | 0.00000 ppm              |
| Sodium(Na)   | 0-70 (ppm)               | 7.00000 ppm              |
| Lead(Pb)   | 0-10 (ppm)               | 0.00000 ppm              |
| Zinc(Zn)   | 0-5 (ppm)                | 0.00000 ppm              |
| Total sulfur as SO <sub>4</sub> (ICP)              | 0-500 (ppm)              | 0.00000 ppm              |
| Chloride (Cl <sup>-</sup> )                        | 0-400 (ppm)              | 0.00000 ppm              |
| Total phosphorus as PO <sub>4</sub>                | 0-5 (ppm)                | 5.00000 ppm              |
| Ion chromatography(NH <sub>4</sub> <sup>+</sup> )  | 0-500 (ppm)              | 500.00000 ppm            |
| Appearance(A755686)                                | White Powder or Crystals | White Powder or Crystals |
| Solubility(0.5m In Water At 20°C,Colorless,Clear)  | Pass                     | Pass                     |



QualityAssurance@aladdinsci.com

---

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su  
QA & QC Manager