

## Certificate of Analysis

Date of Testing: 2025-08-04 14:47:01  
Date of Next Testing: 2026-08-04 14:47:01  
Product Name: **4-Aminobutyric Acid**  
CAS Number: 56-12-2  
Specifications & Purity: Moligand™, Cosmetic grade  
Lot #: H2501109  
SKU #: **A293557**  
Version: **1**  
Analysis #: **550841**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(Nonaqueous titration)	98-102.5 (%)	99.64000 %
PH (10g/100mL H <sub>2</sub> O)	6.5-8	6.85000
Loss on drying	≤2 (%)	1.80 %
(As)Arsenic	≤1 (ppm)	0.60 ppm
Lead(Pb)	≤0.5 (ppm)	0.10 ppm
Ash	≤1 (%)	0.54 %
Transmittance (5g/100mL H <sub>2</sub> O in 600nm)	≥99 (%)	99.10000 %
The total number of colonies	0-100 (cfu/g)	1.54 cfu/g
Molds and yeasts	≤10 (cfu/g)	5.10000 cfu/g
Appearance (A293557)	white to off-white powder or crystal	White to Off-White Powder or Crystals
Staphylococcus aureus	Not detected	Not detected
Pseudomonas aeruginosa	Not detected	Not detected
Fecal coliforms	Not detected	Not detected



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