

CERTIFICATE OF ANALYSIS

Product Name	L-Theanine	Batch Number	010062240315
CAS Number	3081-61-6	Manufacture Date	Mar 15, 2024
Molecular Formula	C ₇ H ₁₄ N ₂ O ₃	Best Used Before	Mar 14, 2026

Items	Specifications	Results	Test Method
Appearance	White crystalline powder	Conforms	Visual
Assay	98.0% ~102.0%	99.1%	Titration
Specific rotation(a)D ²⁰ (C=1,H ₂ O)	+7.7 ⁰ ~+8.5 ⁰	+8.0Degree	AJI TEST 1
Chloride(Cl)	≤0.02%	<0.02%	AJI TEST 3
Loss on drying	≤2.0%	0.24%	AJI TEST 12
Residue on ignition	≤0.20%	0.05%	AJI TEST 13
PH	5.0~6.0	5.2	AJI TEST 33
Melting Point	202°C~215°C	202.5°C-203.0°C	AJI TEST 36
Heavy metals(Pb)	≤10ppm	<10ppm	AJI TEST 7
Total Plate Count	≤1000cfu/g	<1000cfu/g	GB4789.2-2016
Mold And Yeasts	≤100cfu/g	<100cfu/g	GB4789.15-2016
E.Coil	Negative	Conforms	GB4789.38-2016
Salmonella	Negative	Conforms	

Conclusion: Qualified

Packed in paper-drums or carton with two plastic-bags inside.

Net weight: 14.0kgs/Drum or Carton;

Gross weight: 15.2Kgs±0.5kg

24 months under in a well-closed container and away from moisture, light, oxygen.