



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-204787
Lot Number: SAMPLE
Product Name: L-Theanine
CAS Number: 3081-61-6
Molecular Formula: $C_7H_{14}N_2O_3$
Molecular Weight: 174.20

Test	Result
Appearance	White crystalline powder
Purity (Titration)	99.2 %
Melting Point	208 - 210 °C
pH	5.4
Residue on Ignition	0.05 %
Solubility	1.0 g / 20 ml
Optical Rotation ($\alpha_{20/D}$)	7.8 °
Transmittance	> 90 %
Loss on Drying	0.15 %
Arsenic	≤ 1 ppm
Chloride	0.0001 %
Lead	≤ 10 ppm
Sulfate	< 0.004 %
E. Coli	Absent / 10 g
Mold/Yeast	100 cfu / g max
Salmonella	Absent / 10 g
Staphylococcus aureus	Absent / 10 g
Total of Bacteria	100 cfu / g max

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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