

# LIFTMODE

LIFTMODE  
47 W. Polk St. STE 100-241  
Chicago, IL 60605

liftmode@liftmode.com  
www.liftmode.com

## CERTIFICATE OF ANALYSIS

### L-Theanine (L-γ-glutamylethylamide)

Material Lot #: 2017120801      Manufacture Date: 12/08/2017  
Country of Origin: China      Retesting Date: 03/30/2021

Analysis	Claim	Result
L-Theanine	≥99.0%	99.2%

Test	Specification	Result
Appearance	White Powder	Complies
Solution Color (1.0g/20ml)	Clear, Colorless	Complies
Melting Point	210°C to 215°C	203.1°C
Specific Rotation	(+7.5°)-(+8.5°)	+8.31°
Chloride	<0.02%	<0.02%
Residue on Ignition	<0.2%	0.09%
pH	5.0-6.0	5.5
Heavy Metals (µg/g)	≤10 ppm	Complies
Iron (Fe)	≤10 ppm	Complies
Lead (Pb)	≤0.5 ppm	Complies
Mercury (Hg)	≤1 ppm	Complies
Cadmium (Cd)	≤1 ppm	Complies
Arsenic (As <sub>2</sub> O <sub>3</sub> )	≤1 ppm	Complies
Total Plate Count	<1000 cfu/g	Complies
Yeast & Mould	<100 cfu/g	Complies
E. coli	Negative	Negative
Salmonella	Negative	Negative
S. aureus	Negative	Negative
Moisture	≤1.0%	0.38%

L-Theanine should be stored at or below room temperature in a tightly sealed durable container.  
L-Theanine should be protected from excess heat, direct sunlight, excess humidity and moisture.  
L-Theanine has a stable shelf life of 3 years from the date of testing when properly stored.

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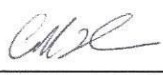
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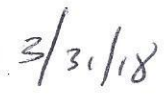
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Product Name	L-Theanine	Product Lot Number	2017120801
Report Date	03/31/18	Laboratory Number	10011

Description	Method	Result
Assay	CA-028 (HPLC)	101.6%
Lead	ICP-MS USP <730>	0.010 ppm
Arsenic	ICP-MS USP <730>	<0.001 ppm
Cadmium	ICP-MS USP <730>	0.010 ppm
Mercury	ICP-MS USP <730>	<0.001 ppm
Total Aerobic Count	Biolumix	<100 CFU/g
Yeast and Mold	Biolumix	<100 CFU/g
E. Coli	Biolumix	<10 CFU/g
Coliform	Biolumix	<10 CFU/g
Salmonella	Biolumix	Negative

Collin Thomas   
Laboratory Manager

03/31/2018   
Date