

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 #: 2017070501 Manufacture Date: 06/28/2017
Country of Origin: China Retesting Date: 06/28/2020

Analysis	Claim	Result
L-Theanine	≥99.0%	99.25%

Test	Specification	Result
Appearance	White Powder	Complies
Solution Color (1.0g/20ml)	Clear, Colorless	Complies
Melting Point	210°C to 215°C	203.2°C
Specific Rotation	(+7.5°)-(+8.5°)	+8.21°
Chloride	<0.02%	0.02%
Residue on Ignition	<0.2%	0.09%
pH	5.0-6.0	5.93
Heavy Metals (µg/g)	≤10 ppm	<10 ppm
Iron (Fe)	≤10 ppm	<10 ppm
Lead (Pb)	≤0.5 ppm	Complies
Mercury (Hg)	≤1 ppm	Complies
Cadmium (Cd)	≤1 ppm	Complies
Arsenic (As ₂ O ₃)	≤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 manufacture when properly stored.

LIFTMODE

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

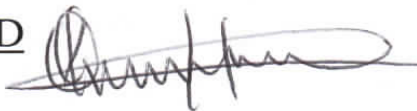
liftmode@liftmode.com
www.liftmode.com

CERTIFICATE OF ANALYSIS

Product Name	L-Theanine	Product Lot #	H2017070501
Report Date	09/20/2017	Lab #	9206

Description	Test Method	Results
L-Theanine	HPLC	98%
Lead	ICP-MS USP<730>	0.104ppm
Arsenic	ICP-MS USP<730>	<0.001ppm
Cadmium	ICP-MS USP<730>	<0.001ppm
Mercury	ICP-MS USP<730>	0.001ppm
Total Plate Count	BioLumix	<100CFU/g
Yeast and Mold	BioLumix	<100CFU/g
Salmonella	BioLumix	Negative
Coliform	BioLumix	<10CFU/g
<i>E. coli</i>	BioLumix	Negative

Peter Yoho PhD
QA Auditor



09/20/2017 9/20/17
Date