



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

liftmode@liftmode.com  
www.liftmode.com

## CERTIFICATE OF ANALYSIS

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

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Material Lot #: 20161221  
Country of Origin: China

Manufacture Date: 12/21/2016  
Expiration Date: 12/20/2019

<b>Analysis</b>	<b>Claim</b>	<b>Result</b>
L-Theanine	≥99.0%	99.22%

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<b>Test</b>	<b>Specification</b>	<b>Result</b>
Appearance	White Powder	Complies
Specific Rotation	(+7.5°)-( +8.5°)	+8.1°
Solution Color (1.0g/20ml)	Clear, Colorless	Complies
Chloride	<0.02%	>0.02%
Loss on Drying	<1.0%	0.41%
Residue on Ignition	<0.2%	0.10%
PH	5.0-6.0	5.16
Heavy Metals	≤10 ppm	0.03 ppm
Arsenic	≤1 ppm	0.009 ppm
Assay	98.0%-102.0%	99.22%

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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.



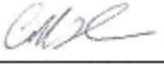
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Product Name	L-Theanine	Client Lot Number	20161221
Report Date	04/28/17	Laboratory #	8540

Test	Method	Result
L-Theanine	CA-028(HPLC-UV)	100.8%
Lead	ICP-MS USP <730>	<0.001 ppm
Arsenic	ICP-MS USP <730>	<0.001 ppm
Cadmium	ICP-MS USP <730>	<0.001 ppm
Mercury	ICP-MS USP <730>	0.002 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

04/28/2017   
Date