



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 #: 2016033101 Manufacture Date: 03/31/2016
Country of Origin: China Expiration Date: 03/30/2019

| Analysis | Claim | Result |
|------------|--------|--------|
| L-Theanine | ≥99.0% | 99.6% |

| Test | Specification | Result |
|----------------------------|------------------|----------|
| Appearance | White Powder | Complies |
| Specific Rotation | (+7.5°)-(+8.5°) | +8.1° |
| Solution Color (1.0g/20ml) | Clear, Colorless | Complies |
| Chloride | <0.02% | 0.012% |
| Residue on Ignition | <0.2% | 0.07% |
| PH | 5.0-6.0 | 5.5 |
| Heavy Metals | ≤10 ppm | 7 ppm |
| Arsenic | ≤3 ppm | Complies |
| Assay | 98.0%-102.0% | 99.6% |

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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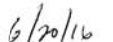
CERTIFICATE OF ANALYSIS

L-Theanine (L-γ-glutamylethylamide)

| | | | |
|--------------|------------|-------------------|------------|
| Product Name | L-Theanine | Client Lot Number | 2016033101 |
| Report Date | 06/20/16 | Laboratory # | 7251 |

| Test | Method | Result |
|----------------|--------|----------|
| Identification | H-NMR | Conforms |
| Assay | HPLC | 99.8% |
| Heavy Metals | ICP-MS | ppm |
| Arsenic | ICP-MS | 0.011 |
| Cadmium | ICP-MS | 0.001 |
| Lead | ICP-MS | 0.062 |
| Mercury | ICP-MS | 0.007 |

Collin Thomas 
Laboratory Manager

06/20/2016 
Date

¹H NMR of L-Theanine
in D2O
Lot # 7251
Colmaric Analytical
06-14-16

