

N DE LOTE:

0250425

NATURAL POLAND

29/09/2025

Certificate of Analysis

Product and Batch Information			
Product Name:	L-Theanine Synthetic	Country of Origin:	P.R. China
Batch:	VNITE250216	Manufacture Date	Feb. 15, 2025.
Analysis Date	Feb. 15, 2025.	Report Date	Feb. 19, 2025.
Expiry Date	Feb. 14, 2028.		
Item	Specification	Result	Test Method
Active Ingredieints			
Assay	L-Theanine>98%	99.79%	HPLC
Physical Control			
Appearance	Fine Powder	Complies	Visual
Color	White	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Taste	Characteristic	Complies	Organoleptic
Particle Size	100% through 80 Mesh	Complies	80 Mesh Screen
Loss on Drying	1.0% Max	0.25%	CPh
Sulphated Ash	1.0%Max	0.12%	CPh
Specific Rotation	+ 7.7- +8.5 Degree	8.0 Degree	/
PH	5.0-6.0	5.2	/
Chemical Control			
Heavy metals	NMT10ppm	Conforms	Atomic Absorption
Arsenic (As)	NMT 2ppm	Conforms	Atomic Absorption
Mercury(Hg)	NMT 0.1ppm	Conforms	Atomic Absorption
Lead (Pb)	NMT 2ppm	Conforms	Atomic Absorption
Cadmium(Cd)	NMT 1ppm	Conforms	Atomic Absorption
GMO Status	GMO Free	Conforms	/
Pesticides Residues	Meet USP Standard	Conforms	Gas Chromatography
Benzo(a)pyrene	NMT 10ppb	Absent	GC-MS
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene	NMT 50ppb	Absent	GC-MS
Aflatoxin(G2+G1+B2+B1)	Negative	Negative	HPLC
Microbiological Control			
Total Plate Count	10000cfu/g Max	Conforms	AOAC
Yeast & Mold	300cfu/g Max	Conforms	AOAC
Coliforms	Absent /1g	Conforms	AOAC
S. aureus	Absent /1g	Conforms	AOAC
E.Coli	Absent /1g	Conforms	AOAC
Salmonella	Absent /25g	Conforms	AOAC
Listeria monocytogenes	Absent /1g	Conforms	USP
Packing and Storage			
Packing	Pack in paper-drums and two plastic-bags inside. 25Kg/Drum		
Storage	Store in a well-closed container away from moisture and direct sunlight.		
Shelf Life	3 years if sealed and stored properly.		