LiquidShop
613 Rte du Président-Kennedy, porte 6
Lévis, QC G6C 1J6 · CAN

CERTIFICATE OF ANALYSIS

Item Name:	L-Theanine Powder	**Batch / Lot Number:**	20260121
Item Number:	L_THEANINE_98	**Manufacturing Date:**	2026-01-21
Country of Origin:	China	**Best Before / Retest:**	2028-01-20

Test	Test Result	Specification	UOM	Method
Description	Crystalline powder	Powder		Organoleptic
Colour	Complies	White		Organoleptic
Odour	Complies	Characteristic		Organoleptic
Taste	Complies	Characteristic		Organoleptic
Loss on Drying	0.23	≤ 10.0	% w/w	USP <731>
Residue on Ignition	0.09	≤ 0.2	%	USP <281>
pH	5.7	5 – 6		USP <791>
Specific Rotation	+8.0	+7.7 – +8.5	°	USP <781>
Assay	99.6	98.0 – 102.0	%	HPLC
Chloride	Complies	≤ 0.02	%	USP <221>
Iron	Complies	≤ 10	ppm	USP <241>
Total Heavy Metals	Complies	≤ 10	ppm	USP <231>
Lead (Pb)	0.19	≤ 3	ppm	USP <232>
Arsenic (As)	0.22	≤ 1	ppm	USP <232>
Mercury (Hg)	0.03	≤ 0.1	ppm	USP <232>
Cadmium (Cd)	0.20	≤ 1	ppm	USP <232>
Total Plate Count	83	≤ 10,000	CFU/g	USP <2021>
Yeast & Mould	19	≤ 1,000	CFU/g	USP <2021>
E. coli	Negative	Negative		USP <2022>
Salmonella	Negative	Negative		USP <2022>
Staphylococcus aureus	Negative	Negative		USP <2022>

Conclusion

☒ This lot CONFORMS to the LiquidShop product specification. ☐ This lot DOES NOT CONFORM.

Reviewed By (QA):	LiquidShop Quality Assurance	**Review Date:**	2026-10-08

This document was prepared electronically and reviewed by LiquidShop Quality Assurance. It is valid without a signature.

This Certificate of Analysis relates only to the batch identified above. Results as reported on the manufacturer's certificate of analysis.