

CERTIFICATE OF ANALYSIS

Product Name	L- Theanine	Batch No	PY-LT20201025
Quantity	500KG	Analysis Date	Oct.28,2020
Mfg. Date	Oct.25,2020	Exp. Date	Oct.24,2022
Package	25kg/Drum	Standard	Enterprise standard

No.	Item	Specification	Result
1.	Appearance	White crystal or crystalline powder	Complies
2.	Assay(by HPLC)	≥98.0%	99.07%
3.	Specification Rotation (α_D^{20})	+7.7°~+8.5°	+8.31°
4.	Melting Point	200°C~210°C	205°C-206°C
5.	Loss on Drying	≤0.5%	0.31%
6.	Residue on Ignition	≤0.2%	0.14%
7.	Chloride	≤0.02%	<0.02%
8.	Heavy Metals	≤10ppm	<10ppm
9.	As	≤4ppm	<4ppm
10.	Total Plate Count	≤1,000cfu/g	<1,000cfu/g
11.	Yeasts & Molds	≤100cfu/g	<100cfu/g
12.	E.Coli	Negative	Negative
13.	Salmonella	Negative	Negative
14.	Conclusion	Conform to the Enterprise standard.	

Analyst: xuli

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