

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	JP2000

No.	Item	Specification	Result
1.	Appearance	White crystalline powder	Complies
2.	Assay(by HPLC)	98.0-102.0%	99.17%
3.	Specification Rotation (α_D^{20})	+7.7°~+8.5°	+8.03°
4.	Solubility (1.0g/20ml H ₂ O)	Clear colorless	Complies
5.	pH	5.0~6.0	5.19
6.	Melting Point	202°C~215°C	205°C-206°C
7.	Loss on Drying	≤0.5%	0.16%
8.	Residue on Ignition	≤0.2%	0.05%
9.	Chloride	≤0.02%	<0.02%
10.	Heavy Metals	≤10ppm	<10ppm
11.	As	≤1ppm	<1ppm
12.	Total Plate Count	≤1,000cfu/g	<1,000cfu/g
13.	Yeasts & Molds	≤100cfu/g	<100cfu/g
14.	E.Coli	Negative	Negative
15.	Salmonella	Negative	Negative
16.	Conclusion	Conform to the JP2000 Standard.	

Analyst: xuli

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