



Shaanxi LonierHerb Bio-Technology Co., Ltd.

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Certificate of Analysis

Product Information			
Product Name	L-Theanine 98%	Manufacture Date	2021.05.12
Batch Number	THL210512	Expiry Date	2024.05.11
Test items	Specification	Result	Test Methods
Active Ingredients			
L-Theanine	98%~102%	99.86%	Titration
Physical & Chemical Data			
Appearance	White crystals or crystalline powder	Conforms	Visual
Identification	Meet the requirements	Conforms	Infrared Absorption
Melting point	202.0~215.0°C	210.8~211.5°C	AJI TEST 36
Specific rotation $[\alpha]_D^{20}$	+7.5°~+8.5°	+8.1°	AJI TEST 1
Chloride(Cl)	<0.02%	<0.02%	AJI TEST 3
pH	5.0~6.0	5.7	AJI TEST 33
Loss on Drying	<2.0 %	0.60%	AJI TEST 12
Residue on ignition	<0.2 %	0.05%	AJI TEST 13
Heavy metals(Pb)	<10ppm	<10ppm	AJI TEST 7
Microbiological			
Total Aerobic Count	≤ 1000cfu/g	Conforms	GB 4789.2
Yeast & Moulds	≤ 100cfu/g	Conforms	GB 4789.15
E-Coli	Negative	Conforms	GB 4789.3
Salmonella	Negative	Conforms	GB 4789.4
Staphylococcus Aureus	Negative	Conforms	GB 4789.10

Storage & Packing

Shelf Life: 3 years when properly stored.

Packing : Packed in paper-drums and two plastic-bags inside.

Storage: Store in cool & dry place, not freeze. Keep away from strong light.

Remarks: This product is natural, the color vary from batch to batch.

Tested by: 张丽娟

Checker: 李明

Approved:

