L-theanine - typical supplier ingredient COA

Ingredient reference only; not matched to current finished capsules. Report expiry is not retail-stock expiry.

MC.

Xintai Jiahe Biotech Co., Ltd

Address:No 1, Shidai Road. Xinwen Industry Park, Xintai City, Shandong Province, P.R CHINA
Tel：0538-5082009 Fax: 0538-5082111 http://www.jiaheamino.com

CERTIFICATE OF ANALYSIS

PRODUCT NAME 产品名称	L-Theanine L-茶氨酸	MFG DATE 生产日期	2026.02.06
BATCH NO.批号	T654-2602001	EXP DATE 有效期	2028.02.05
PACKING 包装	25kg/drum 25kg/桶	QUANTITY 数量	1000kg
Test items 检测项目	In-house Standard 企标	Test results 检测结果	Test method 检测方法
Description 性状	White or almost white crystalline powder 白色或类白色结晶性粉末	Conforms 符合	Visual 目测法
Specific rotation 比旋度	+7.7°~ +8.5°	+8.3°	GB/T163
Assay 含量	98.0~102.0%	99.8%	QB/T5633.11-2023
Loss on drying 干燥失重	≤1.0%	0.09%	GB5009.3
Residue on ignition 炽灼残渣	≤0.20%	0.05%	GB5009.4
pH	5.0~6.0	5.6	GB/T9724
Solution clarity 溶液澄清度	Clear and colorless 澄清无色	Conforms 符合	In-house Standard
Chloride 氯化物	≤0.02%	<0.02%	QB/4263
Sulfate 硫酸盐	≤0.02%	<0.02%	QB/4263
Iron 铁盐	≤10ppm	<10ppm	CP2015
Heavy metals(Pb)重金属	≤10ppm	<10ppm	GB/T5009.74
Arsenic 砷	≤1pm	<1ppm	GB/T5009.11
Cadmium 镉	≤1ppm	<1ppm	GB/T5009.268
Mercury 汞	≤0.1ppm	<0.1ppm	GB/T5009.268
Aerobic Plate Count 菌落总数	≤1000CFU/g	<1000CFU/g	GB4789.2
Yeast&moulds 霉菌&酵母菌	≤100 CFU/g	<100 CFU/g	GB4789.15
E. coli 大肠杆菌	Negative 阴性	Not detected 未检出	GB4789.38
Salmonella 沙门氏菌	Negative 阴性	Not detected 未检出	GB4789.4
Conclusion 结论: Passed test according to the Standard of In-house Standard 符合企标。			

Examiner: ZhangLi Checker: zhangXiaoxin QA manager: TianYong

Nautilus Chemicals (Pty)Ltd

Approved: M McLellan

Date: 13 October 2026

NAUTILUS CHEMICALS (PTY) LTD
Reg No: 2014/123799/07
VAT No: 446 028 5473
Unit 19 Transit Industrial Park
140 Deodar Road, Pomona
Gauteng
PO Box 3815
Durbanville 7551 ZA
+27(0)10 109 3093