SHANGHAI FREEMEN

CERTIFICATE OF ANALYSIS

PRODUCT NAME: L-THEANINE

BATCH NO.: T2304020

QUANTITY: 900KG

PACKING: 25KG/DRUM

COUNTRY OF ORIGIN: CHINA

MFG. DATE: 2023-04-20

ANALYSIS DATE: 2023-04-21

ITEM	SPECIFICATION	TESTING RESULT
Appearance	White to yellowish white crystals or crystalline powder	White to yellowish white crystals or crystalline powder
Assay	98.5~101.5%	100.1%
Loss on drying	≤1.0%	0.10%
Residue on ignition	≤0.2%	0.05%
Solubility	Clear & Colorless	Clear & Colorless
pH (1%, H_2O)	4.5~6.0	5.53
Particle size	≥90.0% through 80 mesh	>90.0% through 80 mesh
Specific rotation	+7.7°~+8.5°	+7.96°
Chloride	≤0.02%	<0.02%
Sulfate	≤0.02%	<0.02%
Heavy metals	≤10ppm	<10ppm
Arsenic	≤2.0ppm	<2.0ppm
Lead	≤0.5ppm	<0.5ppm
Cadmium	≤1.0ppm	<1.0ppm
Mercury	≤0.1ppm	<0.1ppm
Total Plate Count	≤1,000cfu/g	<1,000cfu/g
Yeast & Molds	≤100cfu/g	<100cfu/g
Salmonella	Negative/25g	Negative/25g
Coliforms	Negative/g	Negative/g
ABOVE DATA IS BASED ON THE CERTIFICATE OF ANALYSIS PROVIDED BY THE SUPPLIER / MANUFACTURER OF THIS RAW MATERIAL		
CONCLUSION: COMPLY WITH REQUIRED STANDARDS		

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