

**常州金晟制药厂**  
Changzhou Golden Bright Pharmaceutical Factory

Certificate of Analysis

**L-THEANINE**

Batch No. : <u>C007-M20211002</u>	Report Date : <u>2021.10.12</u>
Quantity: <u>1000KGS</u>	Inspection No. : <u>C00720211002</u>
Manufacture Date: <u>2021.09.29</u>	Country of origin: <u>China</u>
Expiry Date : <u>2024.09.28</u>	

SPECIFICATIONS	JP2000 STANDARD	ANALYSIS RESULT
APPEARANCE	WHITE CRYSTALS OR CRYSTALLINE POWDER	WHITE CRYSTALLINE POWDER
SPECIFIC ROTATION [α] <sub>D</sub> 20	+7.7-+8.5 DEGREE	8.2DEGREE
TRANSMITTANCE	NOT LESS THAN 90.0%	CONFORMS
SOLUBILITY(1.0g/20ml)	CLEAR COLORLESS	CONFORMS
MELTING POINT	190-215°C	192°C~194°C
SULPHATE	NOT MORE THAN 0.015%	CONFORMS
CHLORIDE	≤0.02%	CONFORMS
LOSS ON DRYING	≤0.5%	0.13%
RESIDUE ON IGNITION	≤0.2%	0.07%
PH(1%,H <sub>2</sub> O)	4.5-6.0	5.3
HEAVY METALS Lead Cadmium Mercury	≤10ppm ≤1.00ppm ≤0.5ppm ≤0.1ppm	CONFORMS
ARSENIC(AS <sub>2</sub> O <sub>3</sub> )	≤1ppm	≤1ppm
TOTAL PLATE COUNT	≤100cfu/g	Negative
MOLD AND YEASTS	≤100cfu/g	Negative
SALMONELLA	≤100cfu/g	Negative
E. COLI	Negative	CONFORMS
ASSAY	98~102.0%	100.0%
CONCLUSION: THE PRODUCT CONFORMS TO JP2000 STANDARD		

Quality Control Dept:

Analyst:

Inspector:

Director of QC:

