

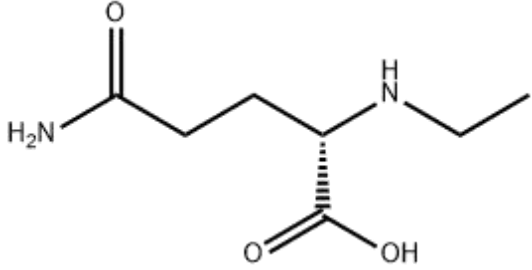


Wuhan HengHeDa Pharm Co., Ltd

Tel:86-27-84888681 Fax:86-27-84888682

Wuhan Economic& Technological Development Zone, Wuhan, China

CERTIFICATE OF ANALYSIS

Product name	L-Theanine	
CAS NO	3081-61-6	
Molecular formul	C7H14N2O3	
Molecular weight	174.2	
Quantity	100kg	
Batch NO	HHD20221228	
Production date	2022.12.28	
Expiry Date	2024.12.27	
Test based on enterprise standard		
Test Item	Specification	Result
Appearance	White powder	Conforms
Purity(HPLC)	98.5~101.5%	99.1%
Luminous transmittance	≥98%	98.5%
PH	4.5~6.0	4.7
Specific rotation (C=1,H2O)	+7.7°~+8.5°	+8.0°
Chloride(Cl)	≤0.02%	<0.02%
Sulfate	≤0.02%	<0.02%

Heavy metals(Pb)	$\leq 10\text{ppm}$	<10ppm
Loss on drying	$\leq 1.5\%$	0.30%
Residue on ignition	$\leq 0.1\%$	0.08%
Total plate count	Not more than 1,000cfu/g	Conforms
Yeast and mold	Not more than 100cfu/g	Conforms

Storage	Store in cool & dry place, keep away from strong light and heat.
Shelf life	2 years when properly stored.
Conclusion: This product complies with above specification.	

Inspector

Shen Wu

Director

King Yang

