

Product Specification

Product Name: L-Theanine

<u>Product Characteristics</u>	<u>Specification</u>
Molecular Formula	C7H14N2O3
Molecular Weight	174.2
CAS NO.	3081-61-6
Description	White crystalline powder

<u>Product Profile</u>	<u>Specification</u>	<u>Method</u>
Specific Rotation	+6.5 ~ +8.5°	USP<781>
PH	5.0~6.0	USP<791>
Clarity of solution	Conforms	

<u>Product Profile</u>	<u>Specification</u>	<u>Method</u>
Identification	Complies to Standard	IR
Assay(on dry basis)	98.0~102.0 % (w/w)	
Loss on Drying	≤0.5% (w/w)	USP<731>
Residue on Ignition	≤0.2% (w/w)	USP<281>

<u>Microbiological Profile</u>	<u>Specification</u>	<u>Method</u>
Total Plate Count	≤1000 CFU/g	USP<61>
Yeast & Mold	≤100 CFU/g	USP<61>
E.coli	Negative	USP<61>
Salmonella	Negative	USP<61>
Pseudomonas	Negative	USP<61>
Staphylococcus	Negative	USP<61>

<u>Additional Testing</u>	<u>Specification</u>	<u>Method</u>
Heavy Metals	< 10 ppm	USP<231>
Arsenic	< 4.0 ppm	USP<211>
Chloride	<0.021% (w/w)	USP<221>

Storage & Packaging:

Store in tightly closed containers at room temperature. Protected from moisture and pest infestation.