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## CERTIFICATE OF ANALYSIS

### High Purity low price CAS 3081-61-6 L-Theanine

**Product Name** L-Theanine  
**Alias** N-gamma-ethyl-L-glutamine  
**Molecular Formula** C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** 174.1977  
**CAS No.** 3081-61-6  
**Shelf Life** 2 years  
**Specification:**

ANALYTICAL ITEMS	SPECIFICATION
Appearance	White crystalline powder
Assay	98.0%~102.0%
Specific optical rotation[α] <sub>D20°</sub>	+7.7°~ +8.5°
Solubility	Clear and colorless
pH	5.0~6.0
Loss on drying	≤1.0%
Residue on ignition	≤0.2%
Chloride (Cl)	≤0.02%
Heavy Metals	≤10PPm
Lead	≤1PPm
Arsenic	≤1PPm
Cadmium	≤1PPm
Mercury	≤0.1PPm
Total plate count	<1,000CFU/g
Mold & Yeast	<100CFU/g
Salmonella	Negative/10g
E.Coli	Negative/10g