

Physical and Chemical Properties

Appearance	White, Crystalline Powder	Visual
Taste	Typical to botanical	Gustatory
Odor	Typical to botanical	Olfactory
Sieve analysis	/	Mesh screen
Moisture	≤0.5%	IR Balance
Ash	≤0.2%	2g/525°C/ 5hrs

Additional product information

CAS#	3081-61-6	
Molecular Formula	C7H14N2O3	
Molecular Weight	174.2	
Specific rotation(a)D20 (C=1, H	+7.7 to +8.5 Degree	CHP2010
Solubility (1.0g/20ml H2O)	Clear Colorless	
Chloride(C1)	≤ 0.02%	CHP2010
PH	5.0-6.0	CHP2010
Melting point	202-215°C	CHP2010

Microbiology

Total plate count	≤1000cfu/g	AOAC
Yeast & Molds	≤100cfu/g	AOAC
Salmonella	Absent	AOAC
E.Coli	Absent	AOAC
Sterilization method	High Temperature & High Pressure Short time (5''-10'')	

Heavy metals 2

Arsenic (As)	≤ 4 ppm	AA or equivalent
Cadmium (Cd)	≤ 1 ppm	AA or equivalent
Lead (Pb)	≤ 1 ppm	AA or equivalent
Mercury (Hg)	≤ 0.1 ppm	AA or equivalent
Total heavy metals	≤ 10 ppm	Colorimetry or eq.
Identification	Positive	TLC
Assay	98%-102% L-Theanine	HPLC

Packaging | Storage

Packaging	Carton drum inner double layer plastic bag
Storage	Cool, dry, dark, airtight environment. Storage of products at room. Keep away from sunshine and moisture. Reclose packaging tightly after use

Our certificates

