

CERTIFICATE OF ANALYSIS

Product Name:	L-Theanine	Standards:	JP2000
Molecular Formula:	C ₇ H ₁₄ N ₂ O ₃	Manufacture Date:	Mar. 12, 2020
Molecular Weight:	174.2g/mol	Expiry Date:	Mar. 11, 2022
CAS No.:	3081-61-6	Batch Number:	20031220

Results of Analysis				
	Items	Specification	Results	Test Method
Physical	Appearance	white or off-white powder	Complies	Visual
	Loss on drying	≤0.5%	0.27%	ChP2015
	Residue on ignition	≤0.2%	0.04%	ChP2015
	Specific Rotation(α /20°/1)	+7.7~+8.5Degree	+8.1Degree	ChP2015
	Particle size	100% pass 80 mesh	Complies	ChP2015
Chemical	Heavy metals	≤10ppm	Complies	ChP2015
	Arsenic	≤1ppm	Complies	ChP2015
	PH (1% H ₂ O)	5.0~6.0	5.12	ChP2015
	Chloride	≤0.02%	Complies	ChP2015
Assay	Purity	≥99.0%	99.07%	HPLC
Microbial	Total plate count	≤1000CFU/g	Complies	ChP2015
	Yeast & Mould	≤100CFU/g	Complies	ChP2015
	E. Coli	Negative	Negative	ChP2015
	Salmonella	Negative	Negative	ChP2015
Else	Storage condition	Sealed, Kept in a shady & dry place		
	Shelf life	Two years		
QC. Manager:				