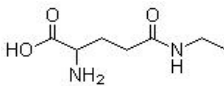


HANGZHOU OCEAN CHEMICAL CO., LTD

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CERTIFICATE OF ANALYSIS

Product name	L-Theanine
CAS NO	3081-61-6
Batch No	170301
Molecular formula	
Quantity	25KG

Item	Inspection Standard	Results
Appearance	White crystalline powder	Conforms
Specific rotation(α) _{D20} (C=1.H ₂ O)	+7.5-+8.5°	+7.9°
Solubility	Freely solute in water,insoluble in EtOH	Conforms
Assay	98.0%-102%	99.2%
Melting point(°C)	200-210°C	203.1°C
Chloride	Not more than 0.02%	<0.02%
Iron(Fe)	Not more than 10ppm	<10ppm
Heavy metals(Pb)	Not more than 10ppm	<10ppm
Arsenic(As ₂ O ₃)	Not more than 4ppm	<4ppm
Moisture	Not more than 1.0%	0.42%
Residue on ignition	Not more than 0.2%	0.09%
Total plate Count	Not more than 1000 cfu/g	Conforms
Yeast & mould	Not more than 100 cfu/g	Conforms
Ethyl alcohol	Not more than 3000ppm	Conforms
E.Coli	Negative	Negative
Salmonella	Negative	Negative
PH	5.0-6.0	5.8
Meth size	90% through 60 mesh	Conforms
Lead	Not more than 1ppm	Conforms
Cadmium	Not more than 0.3ppm	Conforms
Mercury	Not more than 0.1ppm	Conforms

Conclusion: This product by inspection accords with the standard In-house

Q.C.Director:

Analyst:

Collator:

