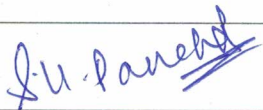
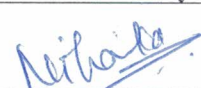


## CERTIFICATE OF ANALYSIS

PRODUCT NAME	BATCH NO.	MFG.DATE	EXP.DATE
L-Theanine	LTH2207012	July 4 <sup>th</sup> 2022	July 3 <sup>rd</sup> 2025

PARAMETER	SPECIFICATION	RESULT
Melting Point	202 °C~215 °C	206.4 °C
pH	5.0~6.0	5.34
Appearance	White crystalline powder	White crystalline powder
Specific rotation	+7.7° ~+8.5°	+8.01°
Loss on drying	NMT 0.5 %	0.06%
Solubility in water (1.0g/20ml H <sub>2</sub> O)	Clear and colourless	Clear and colourless
Residue on ignition	NMT 0.2%	0.07%
Assay	98.0%~102.0%	99.80%
Chloride	NMT 0.02%	Complies
<b>Microbiological Quality</b>		
Total viable aerobic count (TVAC)	<1,000 CFU/ gram	Complies
Total combined yeast/moulds count (TYMC)	<100 CFU/ gram	Complies
<i>E. coli</i> :	Absent/gram	Absent
<i>Salmonella spp</i> :	Absent/gram	Absent
<i>Coliforms</i>	Negative	Complies
<b>Heavy metal content</b>	<10 ppm	Complies
Arsenic	NMT 1 ppm	Complies
Cadmium	NMT 0.5 ppm	Complies
Mercury	NMT 0.5 ppm	Complies
Lead	NMT 1 ppm	Complies

**Storage:** Store in an airtight container, away from moisture and direct sunlight.

Prepared By	Reviewed By
	

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