

**Specification Sheet**

Product Name	L-Theanine		
Packing	25Kg/Drum	Shelf Life:	24Months

<b>Analysis</b>	<b>Specification</b>
Appearance	White crystalline powder
Solubility (1.0g/20ml H <sub>2</sub> O)	Clear Colorless
Specific rotation( $\alpha$ ) <sub>D</sub> <sup>20</sup>	+7.5 °to +8.5 °
Assay	98.0-102.0%
Melting Point ( °C)	200 °C to 210 °C
Chloride(Cl)	Not more than 0.02%
Iron(Fe)	Not more than 10ppm
Heavy metals(Pb)	Not more than 10ppm
Arsenic(As <sub>2</sub> O <sub>3</sub> )	Not more than 4ppm
Moisture	≤1.0%
Residue on ignition	≤ 0.2%
PH	5.0-6.0
<b>Conclusion:</b>	<b>Meets the requirements</b>