



**SUZHOU DORA AGRI-TECH CO., LTD**  
**XINYI (HONGKONG) INDUSTRIAL CO., LTD**

Certificate of Analysis

Product Name: L-PROLINE	Manufacturing Date: 5 <sup>th</sup> , Jul , 2021
Batch No.: 20210705	Batch Size: 300KGS
Package: 25KG/Drum	Expiry Date: 4 <sup>th</sup> , Jul , 2023

Items	Standards	Testing Results
Appearance	White crystals or crystalline powder	crystalline powder
Identification (IR)	Concordant with the reference spectrum	Conforms
Assay,%	98.5~101.0	99.6
PH	5.9~6.9	6.4
Specific rotation	-84.5°~-86.0°	-84.8°
State of solution (Transmittance T <sub>430</sub> )	≥98.0%	98.5%
Chloride (Cl) ,%	≤0.02	<0.02
Ammonium (NH <sub>4</sub> ) ,%	≤0.02	<0.02
Sulfate (SO <sub>4</sub> ) ,%	≤0.02	<0.02
Iron (Fe) ,ppm	≤10	<10
Heavy metals (Pb) ,ppm	≤10	<10
Arsenic (As) ,ppm	≤1	<1
Other amino acids,%	≤0.5	<0.5
Loss on drying,%	≤0.30	0.20
Residue on ignition,%	≤0.10	0.03
Conclusion	Conforms to the standard of AJI92	

Director of QC: Zhu

Checker: Zhao

Analyst: Ma

