



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,

Qianshan Road, Hefei 230022 China

Tel : (0086) 551 65418683

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

Certificate of analysis

Product Name: L-Proline	Quantity: 575kgs	Batch No: TNJ2015090212
Producing date: 2015.02.11	Sampling date: 2015.02.12	Send out date: 2015.02.25
Reference standard: AJI92	Package: 25kg/drum	Expiry date: 2016.02.10
Item	Specifications	Test Results
Discription	White crystals or crystalline power	conforms
Idenlification(IR)	Concordant with the reference spectrum	conforms
Assay	98.5-101.0%	99.8%
PH	5.9~6.9	6.2
Specific optical rotation	-84.5° ~ -86.0°	-85.2°
State of solution (Transmittance T430)	≥98.0%	99.1%
Chloride (as Cl)	≤0.020%	<0.02%
Ammonium(NH4)	≤0.02%	<0.02%
Sulfate(as SO4)	≤0.020%	<0.02%
Iron (Fe)	≤0.001%	<0.001%
Heavy metals (as Pb)	≤0.001%	<0.001%
Arsenic(As2O3)	≤0.0001%	<0.0001%
Other amino acids	≤0.5%	<0.5%
Loss on drying	≤0.30%	0.08%
Residue on ignition	≤0.10%	0.08%
Checker Xu Dong	Re-checker Lu Xiaoping	Approval Liu Wu
Conclusion	The Quality of the above said is in conformity with AJI92 medical grade standard.	
COA Issuer	Quality Control Team-Technology Department of Hefei TNJ Chemical Industry Co.,Ltd.	



刘武