



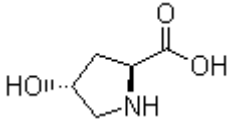
HANGZHOU DINGYAN CHEM CO.,LTD

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: DYC041604221

Product name	l-hydroxyproline
CAS Number	51-35-4
Molecule Structure	
Molecule Formula	C ₅ H ₉ NO ₃
Batch number	20150901
Manuf&Exp. Date	2015-09-01, 2017-09-01
Testing date	2015-09-03

Items	Standard	Result
Appearance	White crystals or crystalline powder	Conforms
Identification	Meets the requirements	Conforms
Specific rotation[α] _{D25}	-74.0° ~ -77.0°	-74.8°
State of solution (T430)	≥95.0%	98.2%
Chloride(Cl)	≤0.020%	<0.020%
Ammonium (NH ₄)	≤0.02%	<0.02%
Sulfate (SO ₄)	≤0.020%	<0.020%
Iron(Fe)	≤10ppm	<10ppm
Heavy metals(Pb)	≤10ppm	<10ppm
Arsenic(As ₂₀₃)	≤1ppm	<1ppm
Other amino acids	Not detectable	Conforms
Loss on drying	≤0.2%	0.08%
Residue on ignition	≤0.1%	0.08%
Assay	98.5%~101.0%	100.01%
PH	5.0~6.5	5.8

Hangzhou Dingyan Chem Co., Ltd.
QUALITY CONTROL: *Cristina*
Quality Control
Signature(s)

CHECK: 姚仙娟

INSPECTOR: 刘清风

Add: Xiasha 571,19TH Street E-COMMERCE 4A601-602,Jiangnan Area, Hangzhou, China