



CERTIFICATE OF ANALYSIS

L-HYDROXYPROLINE

ITEM	SPECIFICATION	RESULT
1. Appearance:	white crystalline powder	Conform
2. Specific rotation:	-74.0 ~ -77.0	-76.1
3. PH:	5.0-6.5	5.6
4. Transparency:	95.0% Min.	99.90%
5. Chloride:	NMT 0.02%	20ppm Max
6. Sulfate:	NMT 0.02%	20ppm Max.
7. Ammonium:	NMT 0.02%	0.02% Max.
8. Heavy metals:	NMT 10ppm	10ppm Max.
9. Iron:	NMT 10ppm	10ppm Max.
10. Arsenic:	NMT 1ppm	1ppm Max.
11. Other amino acids:	Meets the requirements	Negative
12. Loss on drying:	NMT 0.2%	0.10%
13. Residue on ignition:	NMT 0.1%	0.10%
14. Assay:	98.5-101.0%	99.70%