



CERTIFICATE OF ANALYSIS

L-PHENYLALANINE

ITEM	SPECIFICATION	RESULT
1. Identification:	Meet the requirements	Conforms
2. PH:	5.4 to 6.0	5.85
3. Chloride:	Not more than 0.05%	Less than 0.02%
4. Sulfate:	Not more than 0.03%	Less than 0.02%
5. Iron:	Not more than 0.003%	Less than 0.003%
6. Specific rotation:	-32.7 to -34.7	-34
7. Loss on drying:	Not more than 0.03%	Less than 0.02%
8. Residue on ignition:	Not more than 0.4%	Less than 0.01%
9. Heavy metals	Not more than 0.0015%	Less than 0.0015%
10. Chromatographic purity:	Meet the requirements	Conforms
11. Organic volatile impurities:	Meet the requirements	Conforms
12. Assay:	98.5% to 101.5%	99.1%