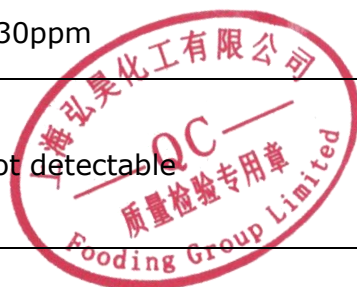


Certificate of Analysis

Product Name	L-Phenylalanine		
Batch No	21081501	Standard	FCC
Production Date	2021-08-15	RE-TEST DATE	2025-08-14
Quantity	500kgs	Packing	25kg

Tests	Limits	Test results
Description	White crystals or crystalline powder	Crystalline powder
Identification(IR)	Concordant with the reference spectrum	Concordant with the reference spectrum
Assay	98.5~101.5%	99.8%
PH	5.4~6.0	5.7
Specific rotation	-33.2°~-35.2°	-34.3°
Heavy metals(Pb)	≤20ppm	<20ppm
Chloride(Cl)	≤0.021%	<0.021%
Lead	≤10ppm	<10ppm
Arsenic(As)	≤2ppm	<2ppm
Sulphates	≤0.03%	<0.03%
Iron	≤30ppm	<30ppm
Other aminoacids(Chromatography)	Not detectable	Not detectable



Certificate of Analysis

Loss on drying	≤0.2%	0.16%
Residue on ignition	≤0.1%	0.03%
Conclusion: Passed test according to the Standard of FCC		

