

DFI-864864V02

## SPECIFICATION

### L-Leucine Powder

DESCRIPTION	
Shelf life	24 Months
Country of origin	China
Appearance	White colourless crystalline powder or colourless crystals
SPECIFICATIONS	
Specific Rotation	+14.9 - +17.3°
pH	5.5 - 7
Loss on drying	Max 0.2 %
Residue on ignition	Max 0.4 %
Chloride (Cl)	Max 0.05 %
Sulphate	Max 0.03 %
Iron (Fe)	Max 0.003%
Heavy metals	Max 0.0015%
Lead	Max 3 ppm
Cadmium	Max 1 ppm
Mercury	Max 0.1 ppm
Arsenic	Max 1 ppm
Chromatographic purity	as per USP 38
Organic Volatile Impurities	as per USP 38
Residual solvents	as per USP 38
Assay	98.5 - 101.5 %
Bulk Density	Report only
MICROBIOLOGICAL	
Total plate count	Max 1000 cfu/g
Total yeasts and moulds	Max 100 cfu/g
Coliforms	Max 10 cfu/g
Escherichia Coli	Negative
Salmonella	Negative
Pseudomonas aeruginosa	Negative
Staphylococcus aureus	Negative

### Exclusion of Liability

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