

Product Specification

Product Name:	L-Aspartic
Grade:	USP
Product Code:	AB0091
Formula:	C ₄ H ₇ NO ₄
MW:	133.11
CAS#:	56-84-8

Test Items	Specifications
Appearance	White to Off-white Crystalline Powder
Solubility (Color)	Colorless to Very Faint Yellow
Solubility (Turbidity) (1.0g to 10ml, 1M HCl)	Clear
Identity by (IR)	Conforms
Specific Rotation	+24.8° - +25.8°
Chloride	≤0.02%
Ammonium	≤0.02%
Sulfate	≤0.02%
Iron	≤10ppm
Heavy metals	≤10ppm
Arsenic	≤1ppm
Loss on Drying	≤0.20%
Residue on Ignition	≤0.10%
Ninhydrin-Positive Substances	Conforms
Residual Solvents Testing	Meets Requirements
pH (0.5 in H ₂ O)	2.5 - 3.5
Assay (Dried Basis)	98.5 - 101.0%
Recommended Retest Period:	2 Years

Storage Condition: 18 – 25°C, Protect from moisture

Rev 0

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