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Product Specifications

Catalogue Number 00028

Product **L-Aspartic acid**

L-Asp-OH

(S)-(+)-Aminosuccinic acid

CAS Number 56-84-8

Molecular Formula C₄H₇NO₄

Molecular Weight 133.1

Appearance White crystals or crystalline powder

Heavy Metals ≤ 10 ppm (as Pb)

Anion Chloride (Cl⁻): ≤ 0.02%
Sulfate (SO₄²⁻): ≤ 0.03%

Cation Iron (Fe): ≤ 10 ppm

Optical Rotation [α]_D²⁰ = +24.0 to +26.0° (C=1 in 6N HCl)

Infrared Spectrum Conforms to structure

Loss on Drying ≤ 0.5%

Related Substances Individual impurity: ≤ 0.5; Total impurities: ≤ 2.0%

Residue On Ignition ≤ 0.10%

Assay by titration 98.5-101.5% (anhydrous basis)

Grade USP

Storage Store at RT

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For Laboratory Use Only