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Product Specifications

Catalogue Number	00243
Product	L-Phenylalanine, FCC, From Non Animal L-Phe-OH (S)-(-)-Phenylalanine
CAS Number	63-91-2
Molecular Formula	C ₉ H ₁₁ NO ₂
Molecular Weight	165.2
Appearance	White crystalline powder
Heavy Metals	≤ 15 ppm
Anion	Chloride (Cl ⁻): ≤ 0.05% Sulfate (SO ₄): ≤ 0.03%
Cation	Iron (Fe): ≤ 30 ppm
pH	5.4-6.0
Optical Rotation	[α] _D ²⁰ = -32.7 to -34.7°
Infrared Spectrum	Conforms to structure
Loss on Drying	≤ 0.3%
Organic Volatile Impurities	To meet requirements
Related Substances	Individual impurity: ≤ 0.5% Total impurities: ≤ 2.0%
Residue On Ignition	≤ 0.4%
Assay by titration	98.5-101.5% (anhydrous basis)
Grade	FCC
Storage	Store at RT

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For Laboratory Use Only