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Product Specifications

Catalogue Number	00300
Product	L-Tryptophan L-Trp-OH (S)-2-Amino-3-(3-indolyl)propionic acid
CAS Number	73-22-3
Molecular Formula	C ₁₁ H ₁₂ N ₂ O ₂
Molecular Weight	204.2

Appearance	White to slightly yellowish crystals or crystalline powder
Anion	Chloride : ≤ 0.05% Sulfate : ≤ 0.03%
Cation	Iron (Fe) : ≤ 30 ppm
pH	5.5 - 7.0
Optical Rotation	[α] ²⁰ _D = -29.4 to -32.8 ° (C=10 mg/mL in water)
Loss on Drying	≤ 0.3% (105 °C, 3h)
Related Substances	Total impurities 1 : ≤ 0.01% Total impurities 2 : ≤ 0.03% Related compound A : ≤ 10 ppm
Residue On Ignition	≤ 0.1%
Assay by titration	98.5 - 101.5% (on dry basis)
Grade	Meets USP Specification
Storage	Store at RT
Additional Information	Identification : Test for Infrared spectrum : Conforms to structure

For Laboratory Use Only