

Product Specification

Product Name:	L-Tryptophan
Grade:	USP
Product Code:	TB1911
Formula:	C ₁₁ H ₁₂ N ₂ O ₂
MW:	204.2
CAS#:	73-22-3

Test Items	Specifications
Appearance	White crystals or crystalline powder
Identification (IR)	Conforms to reference spectrum
Purity	98.5 - 101.5%
pH(1% water)	5.5 - 7.0
Specific Rotation [α] _{D²⁵}	-29.4° - -32.8°
Chloride	≤0.05%
Sulfate	≤0.03%
Iron	≤30ppm
Heavy metals	≤15ppm
Loss on Drying	≤0.30%
Residue on Ignition	≤0.10%
Organic volatile impurities	Meets requirements

Recommended Retest Period: 2 Years

Storage Condition: 18 – 25°C

Rev 0

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