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Certificate of Analysis

Catalogue Number	09088
Product	Pro-Trp-OH
Lot Number	000127-1038369 L-Prolyl-L-tryptophan
CAS Number	35310-39-5
Molecular Formula	C ₁₆ H ₁₉ N ₃ O ₃
Molecular Weight	301.35
Appearance	Off-white powder
Appearance of Solution	Clear yellowish solution (25 mg/ml in 80% AcOH)
Elemental Analysis (Found)	C=59.02%,H=6.48%,N=11.91% Calc. as 0.7AcOH (11.87%) x 0.6 H ₂ O (3.05%)
Water Content (Karl Fisher)	3.5%
TLC System	Methanol/chloroform/ammonia 17% (2:2:1) Isopropanol/ammonia conc. (1:1) n-butanol/acetic acid/water (4:2:2) Plate: Silica gel 60 F ₂₅₄ detected by :UV, ninhydrin, TMB
Optical Rotation	[α] ²⁴ _D = -26.8° (1% in 6N HCl)
Assay	85.4% (Nfd 11.91%, by elemental analysis)
Purity by TLC	> 99%
Storage	Store at 0-8°C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager