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Certificate of Analysis

Catalog Number	05780
Product Name	H-α-Me-Phe-OH α -Methyl-L-phenylalanine
Lot Number	05780-120406-V
CAS Registry Number	23239-35-2
Molecular Formula	C ₁₀ H ₁₃ NO ₂
Molecular Weight	179.20
Specific Optical Rotation	[α] _D = -18.0 ° (c=1, Water)
Assay by TLC	
Butanol/acetic acid /water 1/1/1	R _f = 0.59
Chloroform/methanol/acetic acid 5/3/1	R _f = 0.67
Marfey Test	At λ = 340 nm
D-Enantiomer Content	< 1.1%
Purity (HPLC)	99.8%
HPLC Conditions	
Mobile Phase	A = Water: Trifluoroacetic acid 100: 0.05 B = Acetonitrile: Water: Trifluoroacetic acid 82: 18: 0.38
Column	Vydac C ₁₈ Column
Gradient	20-60% B in 20 min
Retention Time	t _R = 3.5 min
λ	214 nm
Flow Rate	1 ml/min
Storage	Store at 0-8 °C
Remarks	See Material Safety Data Sheets for additional information. For Laboratory use only

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

Quality Control Manager