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Certificate of Analysis

Catalog Number	02854
Product Name	H-Phe(3,4-DiCl)-OH 3,4-Dichlorophenylalanine
Lot Number	2854-121699-V
Molecular Formula	C ₉ H ₉ N ₂ O ₂ Cl ₂
Molecular Weight	234.2
Melting Point	210-215°C (crystals from water)
Optical Rotation	$\alpha_D = +10.1^\circ\text{C}$ (c=1, MeOH:6N HCl 107:1)
Chromatography	Butanol:Acetic Acid:Water 4:1:1 R _f =0.57 Methylene Chloride:Methanol:Water 14:6:1 R _f = 0.35
HPLC	Purity >99.5 %, Vydac C ₁₈ column, gradient elution 30-70% B in 25 min., t _R 4.2 min, λ =214 nm, flow rate 1ml/min, injection 1 μ l of 0.5% solution in methanol A=Water:trifluoroacetic acid (100:0.5) B=Acetonitrile:Water:trifluoroacetic acid (83:17:0.038)
Storage	Store at -0°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



Sashi Kumar
Quality Control Manager