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Certificate of Analysis

Catalog Number	04093
Product Name	H-D-Phe(2-Cl)-OH 2-Chloro-D-phenylalanine
Lot Number	PA84-19
Molecular Formula	C ₉ H ₁₀ ClNO ₂
Molecular Weight	199.634
Appearance	Off white powder
¹H NMR	Conforms to structure plus 0.8% EtOH
HPLC	99.91% Area
Chiral HPLC	98.4%
Melting Range	211-213°C
Notes	
1. NMR Solvent used:	2% Na ₂ CO ₃ in D ₂ O
2. HPLC conditions	
Mobile Phase:	Gradient 14.7mM NaH ₂ PO ₄ pH 2.9/acetonitrile
Column:	Hypersil BDS C18 250mm x 4.6mm 5µm
Detection:	UV 210nm
Sample solvent:	1:1 water/acetonitrile
3. Chiral HPLC conditions:	
Mobile Phase:	80% MeOH in buffer (0.5% TEA(aq)pH 5.1)
Column:	Chirobiotic T column 250mm x 4.6mm 5µm
Detection:	UV 220nm
Sample solvent:	1:1 water/acetonitrile
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

A handwritten signature in black ink, appearing to read 'Sashi Kumar', written in a cursive style with a long horizontal stroke extending to the left.

Sashi Kumar
Quality Control Manager