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Certificate of Analysis

Catalogue Number	03403
Lot Number	000424-160908-21401
Product	4-Nitro-D-phenylalanine monohydrate

D-Phe(4-NO₂)-OH•H₂O

CAS Number	56613-61-7
Molecular Formula	C ₉ H ₁₀ N ₂ O ₄ •H ₂ O
Molecular Weight	228.2

Appearance	Faintly yellow powder
Solubility	Clear solution (0.3 g in 1mL 6N HCL and 2 mL DMF)
Melting Point	216.7-218.5°C
Optical Rotation	[α] _D ²⁰ = - 7.0° (C=1 in 5N HCL)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.27% (70°C, 2h)
¹H NMR	Conforms to structure
L-Enantiomer	Not detectable
Purity by HPLC	99.58%
Chiral Purity	100% (ee)
Storage	Store at 0-8 °C
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