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Certificate of Analysis

Catalog Number	03408
Product Name	H-Phe-pNA L-Phenylalanine p-nitroanilide
Lot Number	536499
CAS Registry Number	2360-97-6
Molecular Formula	C ₁₅ H ₁₅ N ₃ O ₃
Appearance	yellowish powder
Solubility	50 mg/ml in AcOH 80% (clear and yellow solution)
Optical Rotation	$\alpha_D^{24} = +79.0^\circ$ (1% MeOH)
Melting Range	155-159°C
Molecular Weight	285.3
CHN-Analysis	
Theory:	C=63.15% H=5.30% N=14.73%
Found:	C=62.97% H=5.32% N=14.74%
Identity (TLC)	Chloroform/MeOH/Benzene/H ₂ O 8/8/8/1 (v/v/v/v)
detected by: UV, Ninhydrin, Chlorine-Tolidine	Chloroform/MeOH/AcOH 77.5/15/7.5 (v/v/v)
	Chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 (v/v/v/v)
Purity (TLC)	> 99%
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 and underlined.

Sashi Kumar
Quality Control Manager