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Certificate of Analysis

Catalog Number	06595
Product Name	Z-Val-Ala-OH
Lot Number	0540263
Molecular Formula	C ₁₆ H ₂₂ N ₂ O ₅
Molecular Weight	322.38
Appearance	White powder
Solubility	Clear, colorless solution (50mg/ml in Methanol)
Optical Specific Rotation (α_{D}^{24})	-29.1° (1%, MeOH)
Elemental Analysis (Found)	C 59.57%, H 6.94%, N 8.84% H ₂ O 00.4 %
Elemental Analysis (theory)	C 59.38%, H 6.90%, N 8.66% H ₂ O 00.4 %
Assay (TLC)	Purity by TLC.....>99%
Chloroform/Methanol/Benzene/ H₂O 8/8/8/1 (v/v/v/v)	detected by: UV, Ninhydrin, Chlorine-tolidine
Chloroform/Methanol/Acetic acid 85/10/5 (v/v/v)	
Chloroform/methanol/acetic acid 50/50/2 v/v/v	
Plate Silicagel 60 F₂₅₄	
Purity (TLC)	>99%
Storage	Store at 0-5°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