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Certificate of Analysis

Catalog Number	03867
Product Name	Z-D-Val-OSu Z-D-valine N-hydroxysuccinimide ester
Lot Number	120838
Molecular Formula	C ₁₇ H ₂₀ N ₂ O ₆
Molecular Weight	348.4
Appearance	White powder
Solubility	Clear, colorless solution (50mg/ml in Acetone)
Optical Specific Rotation (α^{24}_{D})	+25.2° (2%, Dioxane)
Elemental Analysis (Found)	C 59.06%, H 6.04%, N 08.43%
Elemental Analysis (theory)	C 58.61%, H 5.79%, N 08.04%
Assay (TLC)	Purity by TLC >99% Detected by UV, Ninhydrin/chlorine-tolidine.
Benzene/Dioxan/Acetic acid 95/25/4 (v/v/v)	
Chloroform/Ethyl acetate/Acetic acid 95/25/4 (v/v/v/v)	
Chloroform/ethylacetate 9/1 (v/v)	
Plate Silicagel 60 F₂₅₄	
Water content	0.1%
Purity	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 with a long horizontal stroke extending to the left.

Sashi Kumar
Quality Control Manager