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Certificate of Analysis

Catalogue Number	03837
Lot Number	000127-1000031944
Product	<i>N</i>^α,<i>N</i>^ω,<i>N</i>^{ω'}-Tris-Z-D-arginine Z-D-Arg(Z) ₂ -OH
CAS Number	1947-42-8, 104321-57-5
Molecular Formula	C ₃₀ H ₃₂ N ₄ O ₈
Molecular Weight	576.6

Appearance	Yellowish powder
Solubility	Clear, yellowish solution (25 mg/mL in Methanol)
Melting Point	137 °C
Elemental Analysis (Found)	C = 62.4%; H = 5.7%; N = 9.7%
Water Content (Karl Fisher)	0.2%
TLC System	Toluene/Dioxane/Acetic acid (95:25:4) Chloroform/Methanol/Toluene/H ₂ O (8:8:8:1) Plate : Silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Assay	99.8% (Cfd : 62.37 Elemental Analysis based on Carbon content)
Purity by TLC	> 98%
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