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Certificate of Analysis

Catalogue Number	05857
Lot Number	000127-1005451
Product	<i>N^ω.N^{ω'}-Di-Z-L-arginine</i> L-Arg(Z) ₂ -OH
CAS Number	4125-79-5
Molecular Formula	C ₂₂ H ₂₆ N ₄ O ₆
Molecular Weight	442.47
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Appearance	White powder
Solubility	Clear colorless solution (50 mg/mL in AcOH 80%)
Melting Point	143 °C
Elemental Analysis (Found)	C=59.2%, H=6.0%, N=12.3% Calc. as 0.5 H ₂ O (0.8%)
Water Content (Karl Fisher)	1.5%
TLC System	Chloroform/methanol/acetic acid (98-100%)/water, 45/13/1/22 Ethylacetate/pyridine/acetic acid/water, 60/20/6/11, Plate : Silicagel 60 F ₂₅₄ Detected by : UV, ninhydrin, chlorine-tolidine
Assay	97.9% (Elemental analysis)
Purity by TLC	> 97%
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