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Certificate of Analysis

Catalogue Number	06134
Product	<i>N</i>^ε-4-Nitro-Z-L-lysine
Lot Number	000127-1024378 L-Lys(4-NO ₂ -Z)-OH
CAS Number	3557-90-2
Molecular Formula	C ₁₄ H ₁₉ N ₃ O ₆
Molecular Weight	325.32
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Appearance	Off-white powder
Solubility	Clear, colorless solution (5 mg/mL in 80% AcOH)
Elemental Analysis (Theory)	C: 51.7%, H: 5.9%, N: 12.9%
Elemental Analysis (Found)	C: 51.9%, H: 5.6%, N: 12.9%
TLC System	n-butanol/acetic acid/water 4/2/2 Chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/water 60/30/9/16.5 Plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay	99.8% (Nth: 12.92%, Nfd: 12.89%)
Purity by TLC	> 99.0%
Storage	Store at RT
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