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Certificate of Analysis

Catalogue Number	07038
Lot Number	000127-1019580
Product	6-Diazo-5-oxo-L-norleucine L-Nle(6-Diazo-5-oxo)-OH
CAS Number	157-03-9
Molecular Formula	C ₆ H ₉ N ₃ O ₃
Molecular Weight	171.16

Appearance	Slightly yellow powder
Solubility	Clear, yellow solution (50mg/mL in Methanol/Water 1/1)
Melting Point	137 °C
Elemental Analysis (Found)	C = 41.9%, H = 5.2%, N = 24.3%
Water Content (Karl Fisher)	0.6%
TLC System	Methanol/Chloroform/Ammonia 17% (2:2:1) Isopropanol/Ammonia 25% (7:3) Chloroform/Methanol/Ammonia 25%/Water (20:22:5:5) Plate : Silicagel 60 F ₂₅₄ Detected by : UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = 17.6 ° (C=1 in Water)
Assay	99.2% (Nfd : 24.35% by elemental analysis)
Assay by titration	99.4% (TBAH)
Purity by TLC	> 95%
Storage	Store at ≤ -4 °C

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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