



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	04-2442
Product Name	Z-Ser-NHNH ₂ Z-L-serine hydrazide
Lot Number	1030259
Molecular Formula	C ₁₁ H ₁₅ N ₃ O ₄
Molecular Weight	253.26
Appearance	White powder
Solubility	Clear, colorless solution (50mg/ml in AcOH 80%)
Melting Point	182 °C
Identification by ESI-MS	M = 253.0 u
Elemental Analysis	Theory: C 52.17%, H 5.97%, N 16.59% Found: C 52.03%, H 6.01%, N 16.49%
Identification by TLC	Complies with authentic material
TLC System	>98%
Butanol/AcOH/H₂O (4/2/2)	Detected: UV, ninhydrin, Chlorine-tolidine
CHCl₃/MeOH/AcOH 32 % (5/3/1)	
CHCl₃/Methanol/Aceticacid/H₂O (70/42/0.5/10)	
Storage	Store at 0-5°C