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Certificate of Analysis

Catalogue Number	06210
Product	L-Serine β-naphthylamide
Lot Number	000127-1045236 L-Ser- β NA L- β -Hydroxyalanine β -naphthylamide
CAS Number	888-74-4
Molecular Formula	C ₁₃ H ₁₄ N ₂ O ₂
Molecular Weight	230.27
Appearance	Slightly pink powder
Solubility	Clear pink solution (50 mg/mL in Methanol)
Elemental Analysis (Theory)	C = 67.8%; H = 6.1%; N = 12.2%
Elemental Analysis (Found)	C = 67.7%; H = 6.1%; N = 12.1%
Water Content (Karl Fisher)	0.2%
TLC System	Ethylacetate/Pyridine/Acetic acid/H ₂ O (60:20:6:11) Chloroform/Methanol/Acetic Acid (77.5:15:7.5) Toluene/Dioxane/Acetic Acid (95:25:4) Chloroform/Methanol/Acetic acid (90:8:2) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = -8.9° (C=1 in MeOH)
Related Substances	β NA (TLC): < 0.1%
Assay	99.7% (Elemental analysis, Nth 12.17%, Nfd 12.13%)
Purity by TLC	> 99%
Storage	Store at 0-8 °C

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Catalog Number: 06210

Lot Number: 000127-1045236

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