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Certificate of Analysis

Catalogue Number 05903
Product **L-Aspartic acid β -naphthylamide**

Lot Number 000127-1020568
L-Asp- β NA

CAS Number 635-91-6
Molecular Formula C₁₄H₁₄N₂O₃

Molecular Weight 258.3

Appearance White powder

Solubility Clear, colorless solution (50 mg/mL in 80% AcOH)

Elemental Analysis (Found) C = 65.1%, H = 5.45%, N = 10.95%
Calcd. As 0.08% Water (0.65%)

Water Content (Karl Fisher) 0.7%

TLC System n-Butanol/Acetic acid/Water (4:2:2)
Chloroform/Methanol/Acetic acid 32% (5:3:1)
Ethylacetate/Pyridine/Acetic acid/Water (60:60:12:36)
Plate: Silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, TMB

Assay 100.3% (Elemental analysis, Nth 10.85%, Nfd 10.88%)

Purity by TLC > 98%

Storage Store at 0-8 °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