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Certificate of Analysis

Catalogue Number 07474
Lot Number 000127-1000013843
Product ***N*^α-Z-L-asparagine methyl ester**

Z-L-Asn-OMe

CAS Number 4668-37-5
Molecular Formula C₁₃H₁₆N₂O₅
Molecular Weight 280.28

Appearance White powder
Appearance of Solution Clear, colorless solution (25 mg/mL in AcOH 80%)
Melting Point 156 °C
Elemental Analysis (Found) C = 55.7%, H = 5.6%, N = 10%
Water Content (Karl Fisher) 0.1%
TLC System Chloroform/Methanol/Acetic acid (90:8:2)
Chloroform/Methanol/Acetic acid/Water (45:13:1:2)
Chloroform/Methanol/Toluene/Water (8:8:8:1)
Plate : silicagel 60 F₂₅₄
Detected by : UV, ninhydrin, chlorine-tolidine
Optical Rotation [α]_D²⁴ = -15.8 ° (C=1 in MeOH)
Assay 100.6% (Nfd 10.05% by Elemental analysis)
Purity by TLC > 99%
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