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Certificate of Analysis

Catalogue Number 04057
Lot Number 000127-0550757
Product **Boc-L-aspartic acid β -cyclopentyl ester**

Boc-L-Asp(OcPent)-OH

CAS Number 71447-58-0

Molecular Formula $C_{14}H_{23}NO_6$

Molecular Weight 301.3

Appearance White powder

Solubility Clear, colorless solution (50 mg/ml in methanol)

Melting Point 90 °C

Elemental Analysis (Theory) C = 55.6%; H = 7.7%; N = 4.6%

Elemental Analysis (Found) C = 55.4%; H = 7.8%; N = 4.7%; Calculated x as 0.06 H₂O (0.4%)

Water Content (Karl Fisher) 0.4%

TLC System Chloroform/Methanol/Benzene/H₂O (8:8:8:1)
Chloroform/Methanol/Acetic acid (90:8:2)
Benzene/Dioxane/Acetic acid (95:25:4)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine

Optical Rotation $[\alpha]_D^{24} = +26.6^\circ$ (C=1% in Methanol/Diisopropylethylamine (1:1.2))

Assay by titration 100.6% (TBAH)

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