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Certificate of Analysis

Catalogue Number 06413
Product **Z-L-aspartic acid α -methyl ester**

Lot Number 000424-171125-11401
Z-L-Asp-OMe

CAS Number 4668-42-2
Molecular Formula C₁₃H₁₅NO₆

Molecular Weight 281.27

Appearance White powder
Solubility Clear solution (0.3 g in 2ml AcOH)
Melting Point 90.6 - 93.5 °C
Elemental Analysis (Theory) < 5 (C,H,N)
Water Content (Karl Fisher) 0.06%
Optical Rotation [a]_D²⁰ = - 15.8 ° (C=1, in EtOH)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.10% (40 °C, 2h)
¹H NMR Conforms to structure
Chiral HPLC 99.94% (ee)
D-Enantiomer 0.0617%
Purity by HPLC 99.06%
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