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Certificate of Analysis

Catalogue Number 02256
Product **Z-L-threonine**

Lot Number 000424-130319-11711
Z-L-Thr-OH

CAS Number 19728-63-3
Molecular Formula C₁₂H₁₅NO₅

Molecular Weight 253.3

Appearance White powder
Solubility Clear solution (0.3 gram in 2 mL DMF)
Melting Point 102.7-103.2 °C
Water Content (Karl Fisher) 0.139%
Optical Rotation [α]_D²⁰ = - 5.04 ° (C=4 in AcOH)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to structure
Loss on Drying 0.42% (50 °C, 2 hr)
¹H NMR Conforms to structure
D-Enantiomer 0.0829%
Purity by HPLC 98.6%
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