

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number 02164
Lot Number 000424-151115-11517
Product **Z-D-glutamic acid**

Z-D-Glu-OH

CAS Number 63648-73-7
Molecular Formula C₁₃H₁₅NO₆

Molecular Weight 281.26

Appearance White powder
Solubility Clear solution (0.3g in 2ml EtOH)
Melting Point 117.8 - 118.4 °C
Water Content (Karl Fisher) 0.286%
Optical Rotation [α]²⁰_D = + 8.0 ° (C=1 in AcOH)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.36% (35 °C, 2h)
¹H NMR Conforms to structure
L-Enantiomer 0.0521%
Purity by HPLC 98.03%
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