

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	03336
Lot Number	15325
Product	D-Glutamic acid <i>ν</i>-tert-butyl ester D-Glu(OtBu)-OH
CAS Number	45125-00-6
Molecular Formula	C ₉ H ₁₇ NO ₄
Molecular Weight	203.2

Appearance	White powder
Melting Point	159 °C (dec.)
Water Content (Karl Fisher)	1%
TLC System	tert.BuOH:H ₂ O:AcOH (4:2:4)
Optical Rotation	[α] _D ²⁰ = - 9.7 ° (C=1 in water)
Free Amino Acids	< 0.2%
L-Enantiomer	0.2%
Purity by TLC	> 98%
Chiral Purity	99.8% (ee)
Storage	Store at 0 - 8 °C
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