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Certificate of Analysis

Catalogue Number	03158
Lot Number	000424-160830-11002
Product	L-Tyrosine ethyl ester hydrochloride

L-Tyr-OEt•HCl

CAS Number	4089-07-0
Molecular Formula	C ₁₁ H ₁₅ NO ₃ •HCl

Molecular Weight	245.7
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Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	168.0-171.1 °C
Water Content (Karl Fisher)	0.280%
Optical Rotation	[α] _D ²⁰ = -5.7° (C=2 in H ₂ O)
Infrared Spectrum	Conforms to standard
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.45% (80 °C, 2h)
¹H NMR	Conforms to standard
D-Enantiomer	Not detectable
Purity by HPLC	99.80%
Chiral Purity	100% (ee)
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