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Certificate of Analysis

Catalogue Number	00435
Lot Number	000424-121224-13050
Product	<i>O-tert-Butyl-L-tyrosine</i> L-Tyr(tBu)-OH
CAS Number	18822-59-8
Molecular Formula	C ₁₃ H ₁₉ NO ₃
Molecular Weight	237.3

Appearance	White powder
Solubility	Clear solution (0.1 g in 8 mL THF:H ₂ O) (1:1)
Melting Point	211.0-212.0 °C
Water Content (Karl Fisher)	1.73%
Optical Rotation	[α] _D ²⁰ = -29.6 ° (C=1 in THF:H ₂ O, 1:1)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	1.56%
¹H NMR	Conforms to structure
D-Enantiomer	0.0096%
Purity by HPLC	98.64%
Purity by TLC	> 98%
Chiral Purity	99.99%
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