

Certificate of Analysis

Date of Testing: 2025-04-17 16:23:20
Date of Next Testing: 2029-04-16 16:23:20
Product Name: **m-Fluoro-DL-tyrosine**
CAS Number: 403-90-7
Specifications & Purity: $\geq 99\%$
Lot #: D2507404
SKU #: **F113768**
Version: **1**
Analysis #: **486011**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	52.9-55.6 (%)	54.02 %
Purity(HPLC)	98-100 (%)	99.97400 %
Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in } 1\text{M HCl})$	-1-1 (°)	0.35 °
Nitrogen by Elemental Analysis	6.7-7.3 (%)	7.06 %
Melting point	266-280 (°C)	279.82000 °C
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 0.5 M HCl , Clear colorless solution at 50 mg/ml	Clear colorless solution at 50 mg/ml	Clear colorless solution at 50 mg/ml
Appearance (F113768)	White to pale cream crystals or powder or solid	White to pale cream crystals or powder or solid



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