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Certificate of Analysis

Catalogue Number 20903
Product **3,5-Dinitro-L-tyrosine monohydrate**

Lot Number 120912-22168
3,5-Dinitro-L-Tyr-OH•H₂O

CAS Number 17360-11-1
Molecular Formula C₉H₉N₃O₇•H₂O

Molecular Weight 289.2

Appearance Bright red powder
Solubility Clear solution (0.3g in 2mL water)
Water Content (Karl Fisher) 1.77%
Optical Rotation [α]_D²⁰ = +6.17° (C=1 in H₂O)
Infrared Spectrum Conform to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.07% (80 °C, 2h)
¹H NMR Conforms to structure
Purity by HPLC 98.40%
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