

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-25 17:32:56
 Date of Next Testing: 2027-02-24 17:32:56
 Product Name: **DL-Tyrosine**
 CAS Number: 556-03-6
 Specifications & Purity: $\geq 98\%$
 Lot #: B2323542
 SKU #: **T108322**
 Version: **0**
 Analysis #: **191577**
 Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	58.8-60.6 (%)	58.90000 %
Nitrogen by Elemental Analysis	7.4-8 (%)	7.70000 %
Purity(HPLC)	98-100 (%)	99.10000 %
Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in } 1\text{mol/L HCl})$	-0.5-0.5 (°)	-0.10000 °
Purity(Nonaqueous Titration)	97.5-102.5 (%)	98.40000 %
Appearance (T108322)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 N HCl , Colorless to Faint Yellow, Clear to Slightly Hazy 5%	pass	Pass



John Su
QA & QC Manager