

Certificate of Analysis

Date of Testing: 2023-10-11 11:49:31

Date of Next Testing: 2027-10-10 11:49:31

Product Name: **Tris(carbobenzoxy)-L-arginine**

CAS Number: 14611-34-8

Specifications & Purity: 98%

Lot #: J2309547

SKU #: **T100428**

Analysis: **276103**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in CHCL}_3)}$	16-19 (°)	16.20°
Purity(Neutralization titration)	97.5-102.5 (%)	98.65 %
Purity(HPLC)	98-100 (%)	98.26000 %
Melting point	134-137 (°C)	135.62000 °C
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (T100428)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Solubility in hot MeOH	almost transparency	almost transparency



John Su
QA & QC Manager