

## Certificate of Analysis

Date of Testing: 2023-09-15 09:43:29  
Date of Next Testing: 2027-09-14 09:43:29  
Product Name: **TOOS**  
CAS Number: 82692-93-1  
Specifications & Purity: 99%  
Lot #: I2311179  
SKU #: **T105328**  
**Analysis:** **199355**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-12 (%)	1.48 %
Purity(Titration by HClO <sub>4</sub> )(calc. to the dried substance)	99-100 (%)	99.50 %
Purity(HPLC)	99-100 (%)	99.63500 %
Appearance (T105328)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in H <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager