

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-27 10:29:10  
Date of Next Testing: 2026-06-26 10:29:10  
Product Name: **TN-16**  
CAS Number: 33016-12-5  
Specifications & Purity: 98%  
Lot #: F2316852  
SKU #: **T339155**  
**Analysis:** **224902**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.85 %
Specific Rotation [ $\alpha$ ] <sub>20</sub> /D(c=1 in -213~-193 (°) CHCL <sub>3</sub> )		-212.00 °
Appearance(T339155)	White to Light yellow to Light orange powder to crystal	White to Light yellow to Light orange powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager