

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-20 13:37:06  
Date of Next Testing: 2026-03-19 13:37:06  
Product Name: **Phenyl 2,3,4,6-tetra-O-acetyl- $\alpha$ -D-thiomannopyranoside**  
CAS Number: 13992-16-0  
Specifications & Purity: 97%  
Lot #: C2315887  
SKU #: **P468727**  
**Analysis:** **184446**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	99.48 %
Optical Rotation(c = 1%; CHCl <sub>3</sub> )	110.0-120.0 (°)	113.04400 °
Appearance(P468727)	White to Faint Brown and Faint Beige solid	White to Faint Brown and Faint Beige solid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager