

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-04 13:59:53  
Date of Next Testing: 2026-03-03 13:59:53  
Product Name: **Phenyl  $\alpha$ -D-thiomannopyranoside**  
CAS Number: 77481-62-0  
Specifications & Purity: 98%  
Lot #: B23221173  
SKU #: **P344347**  
**Analysis:** **138960**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	98.13%
Specific rotation $[\alpha]_{20/D}(0.5\%, 229-279$ (° MeOH)		229.01000°
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(P344347)	White to Faint Yellow and Faint Beige Powder or Crystals	White to Faint Yellow and Faint Beige Powder or Crystals



John Su  
QA & QC Manager