

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-15 10:17:08  
Date of Next Testing: 2026-06-14 10:17:08  
Product Name: **Mono-6-O-(p-toluenesulfonyl)- $\beta$ -cyclodextrin**  
CAS Number: 67217-55-4  
Specifications & Purity: >85.0%(HPLC)  
Lot #: F2210570  
SKU #: **M158314**  
**Analysis: 091518**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	85-100 (%)	98.69500%
Water by Karl Fischer	0-15 (%)	7.46%
Specific Rotation [a] <sub>20</sub> /D(c=4 in DMSO)(calcd.on anh.substance)	133-141 (°)	140.99°
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager