

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-12-19 14:42:25  
Date of Next Testing: 2027-12-18 14:42:25  
Product Name: **Mono-6-O-(p-toluenesulfonyl)- $\beta$ -cyclodextrin**  
CAS Number: 67217-55-4  
Specifications & Purity: >85.0%(HPLC)  
Lot #: C2004050  
SKU #: **M158314**  
**Analysis: 306212**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-15 (%)	6.68 %
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in DMSO})(\text{calcd. on anh. substance})$	133-141 (°)	140.86 °
Purity(HPLC)	85-100 (%)	95.30200 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager