

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-28 13:27:18  
Date of Next Testing: 2028-03-27 13:27:18  
Product Name: **beta-Cyclodextrin hydrate**  
CAS Number: 68168-23-0  
Specifications & Purity: 98%  
Lot #: C2421195  
SKU #: **B665398**  
Analysis: **324917**

Parameter	Limit Values	Result
Water by Karl Fischer	5-15 (%)	6.09 %
Optical Rotation(C=1%,H2O)	138-146 (°)	145.05700 °
Purity(HPLC area)	98-100 (%)	99.68 %
Appearance(B665398)	White Powder, Crystals or Crystalline Powder and/or Chunks	White Powder, Crystals or Crystalline Powder and/or Chunks
LC-MS for identification	Conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager