

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-19 09:51:12  
Date of Next Testing: 2029-09-18 09:51:12  
Product Name: (2-Hydroxypropyl)- $\beta$ -cyclodextrin  
CAS Number: 128446-35-5  
Specifications & Purity:  $\geq 97\%$   
Lot #: L2107693  
SKU #: H108813  
Version: 2  
Analysis #: 573693

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.93700%
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	120-135 ( $^{\circ}$ )	134.83 $^{\circ}$
Water by Karl Fischer	0-7.5 (%)	6.06%
Molar substitution degree	0.4-1.5	0.68500
Appearance (H108813)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Very Faint Yellow, Clear, 2g plus 5ml	pass	Pass



John Su  
QA & QC Manager