

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-07-06 15:09:40
 Date of Next Testing: 2030-07-05 15:09:40
 Product Name: (2-Hydroxypropyl)- β -cyclodextrin
 CAS Number: 128446-35-5
 Specifications & Purity: $\geq 98\%$
 Lot #: F2630184
 SKU #: H1510197
 Version: 1
 Analysis #: 712434
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	100.00000 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	120-135 (°)	134.95000 °
Water by Karl Fischer	0-7.5 (%)	3.34640 %
Molar substitution degree	0.4-1.5	0.66000
Appearance(H1510197)	White to Off-White Powder	White to Off-White Powder
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Very Faint Yellow, Clear, 2g plus 5ml	pass	Pass



John Su
QA & QC Manager