

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-15 14:54:26
 Date of Next Testing: 2029-05-14 14:54:26
 Product Name: (2-Hydroxypropyl)- β -cyclodextrin
 CAS Number: 128446-35-5
 Specifications & Purity: $\geq 97\%$
 Lot #: H2112042
 SKU #: H108813
 Version: 2
 Analysis #: 510790
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.69500 %
Specific Rotation [a] _D ²⁰ (c=1 in H ₂ O)	120-135 (°)	129.31800 °
Water by Karl Fischer	0-7.5 (%)	4.88510 %
Molar substitution degree	0.4-1.5	0.51800
Appearance (H108813)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	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