

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-28 10:54:11
Date of Next Testing: 2029-11-27 10:54:11
Product Name: **(2-Hydroxypropyl)- β -cyclodextrin**
CAS Number: 128446-35-5
Specifications & Purity: $\geq 97\%$
Lot #: K2520818
SKU #: **H108813**
Version: **2**
Analysis #: **604670**

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.93100%
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	120-135 ($^{\circ}$)	132.48 $^{\circ}$
Water by Karl Fischer	0-7.5 (%)	3.30%
Molar substitution degree	0.4-1.5	0.68000
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