

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-05 15:20:51  
Date of Next Testing: 2027-06-04 15:20:51  
Product Name: **Carboxymethyl- $\beta$ -cyclodextrin sodium salt**  
CAS Number:  
Specifications & Purity: DS ~7  
Lot #: H1518020  
SKU #: **C112001**  
**Analysis: 234528**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Average Degree of Substitution	6-8	6.56
Water by Karl Fischer	0-10 (%)	9.99%
Appearance (C112001)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless and clear (5% in H <sub>2</sub> O)	pass	Pass



John Su  
QA & QC Manager