

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-13 16:57:59

Date of Next Testing: 2026-10-12 16:57:59

Product Name: **Cyclodextrin HPB**

CAS Number: 128446-35-5

Specifications & Purity: PharmPure™, USP

Lot #: J2311616

SKU #: **C485578**

Version: **1**

Analysis #: **273487**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
beta-cyclodextrin	0-1.5 (%)	0.00000 %
Propylene glycol	0-2.5 (%)	0.00000 %
Loss on drying	0-10 (%)	1.34834 %
Conductivity	0-200 (μS/cm)	183.23000 μS/cm
Molar substitution degree	0.4-1.5	0.68000
Other individual impurities	0-0.25 (%)	0.00000 %
Other total impurities	0-1 (%)	0.00000 %
Propylene oxide	0-0.0001 (%)	0.00001 %
The Total Number of Aerobic Bacteria	0-1000 (cfu/g)	10.00000 cfu/g
Total number of molds and yeasts	0-100(cfu/g)	10.00000 cfu/g
Appearance(C485578)	White to Off-White amorphous or crystalline powder	White to Off-White amorphous or crystalline powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O,Clear and transparent,1g plus 2ml	Pass	Pass



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager