

## Certificate of Analysis

Date of Testing:	2023-08-18 17:01:15
Date of Next Testing:	2026-08-17 17:01:15
Product Name:	<b>Cyclodextrin HPB</b>
CAS Number:	128446-35-5
Specifications & Purity:	USP grade
Lot #:	H2316361
SKU #	<b>C485578</b>
<b>Analysis:</b>	<b>260784</b>
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 (%)	1.21 %
Conductivity	0-200 (μS/cm)	82.50000 μS/cm
The Total Number of Aerobic Bacteria	0-1000 (cfu/g)	10.00 cfu/g
Total number of molds and yeasts	0-100(cfu/g)	10.00000 cfu/g
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 %
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 H <sub>2</sub> O,Clear and transparent,1g plus 2ml	Pass	Pass



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ALADDIN SCIENTIFIC CORPORATION

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

John Su  
QA & QC Manager