

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-31 16:22:32
Date of Next Testing: 2028-10-30 16:22:32
Product Name: **Cyclodextrin HPB**
CAS Number: 128446-35-5
Specifications & Purity: PharmPure™, USP
Lot #: J2523238
SKU #: **C485578**
Version: **1**
Analysis #: **596177**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Molar substitution degree	0.4-1.5	0.69000
beta-cyclodextrin	0-1.5 (%)	0.32000 %
Propylene glycol	0-2.5 (%)	0.11000 %
Other individual impurities	0-0.25 (%)	0.00000 %
Other total impurities	0-1 (%)	0.00000 %
Propylene oxide	0-0.0001 (%)	0.00000 %
Loss on drying	0-10 (%)	3.60 %
Conductivity	0-200 (µS/cm)	42.00000 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
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



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager