

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-10-11 14:05:07
Date of Next Testing:	2029-10-10 14:05:07
Product Name:	(2-Hydroxypropyl)-γ-cyclodextrin
CAS Number:	128446-34-4
Specifications & Purity:	average Mw ~1,580
Lot #:	L2115384
SKU #	H102030
Version	0
Analysis #:	579406

Parameter	Limit Values	Result
Purity(Cyclodextrine Content Cal.)	98-100 (%)	98.66 %
Ignition Residue	0-0.1 (%)	0.00 %
PH(2% in Water)	6-9	7.50
Propylene glycol	0-0.1 (%)	0.00 %
Unsubstituted Cyclodextrine	0-1.5 (%)	1.12 %
Absorbance(220-350nm,2 % in H2O)	0-0.5	0.01
Loss on drying	0-5 (%)	4.90 %
Heavy metals	0-5 (ppm)	2.40 ppm
Volatile Impurities (decan)	0-50 (ppm)	26.00 ppm
Absorbance(350-660nm,2 % in H2O)	0-0.5	0.01
Molar Substitution	0.5-0.7	0.56
Appearance (H102030)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager