

Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs 5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146 www.gojirafc.com • sales@gojirafc.com

Certificate of Analysis

Hydroxypropyl beta-Cyclodextrin USP

Catalog Number:
Lot Number:
CAS Number:
Molecular Formula:
Molecular Weight:
Storage:
Date of Manufacture:
Retest Date:

HB1001 0115901 128446-35-5, 94035-02-6 $C_{42}(H)_{70-n}O_{35}(C_3H_7)_n$ N/A 15°C - 30°C July 25, 2018 July 24, 2020

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Purity	≥ 98.0%	98.6%
Molar Substitution	0.40 – 1.50	0.69
Identification (FTIR)	To match reference standard	Conforms
Clarity of Solution (50%)	Clear	Conforms
Moisture (LOD)	≤ 10%	4.2%
Residue on Ignition	≤ 0.2%	0.07%
Conductivity (10%)	≤ 200μS/cm	75μS/cm
Chloride	≤ 0.05%	< 0.05%
Propylene Oxide	≤ 1ppm	0.13ppm
Propylene Glycol	≤ 2.5%	0.29%
Betadex	≤ 1.5%	0.23%
Sum of Other Impurities	≤ 1%	0.11%
Heavy Metal	≤ 20ppm	14ppm
Total Aerobic Count	≤ 1,000cfu/g	< 15cfu/g
Total Yeast & Mold Count	≤ 100cfu/g	< 10cfu/g
E. coli	Negative	Negative
Salmonella	Negative	Negative
This lot meets the specificat	ions for USP40.	

Approved by:

John grubb

John Grubb, PhD Gojira Fine Chemicals, LLC Quality Manager Tel: 440-539-7033 Fax: 888-211-5523 john@gojirafc.com

Date: January 16, 2019

For research or further manufacturing. Not for drug, clinical or a food use in humans or animals.