

CAPTISOL® - Research Grade
(β -Cyclodextrin Sulfobutyl Ethers, Sodium Salts)

Certificate of Analysis (rev. 0)

Batch Number: NC-05E-21045

Test	Specification	Result
Appearance	White to off-white solid essentially free from foreign matter	Pass
Identification (IR)	Spectrum is consistent with the SBECD standard	Pass
Average Degree of Substitution (CE)	6.0 – 8.0	6.7
β -Cyclodextrin	Maximum 0.5%	Not detected
Water (by KF)	Maximum 15.0%	5.3 %*
Assay (anhydrous basis)	Minimum 95%	99.5 %

These results were obtained at the time of testing. The values may change depending upon material handling and exposure to atmospheric conditions.

Date of Manufacture: Oct 2021

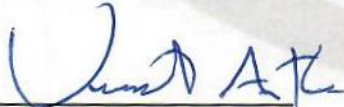
References: 17CX21A. A000038094

Solution Chemistry Site(s):

Hovione Ltd, Loughbeg, Ringaskiddy Ireland
17CX013F.HE000240

Isolation Site: Avara Pharma Technologies
3300 Marshall Ave, Norman OK 73072

Released By:


Vincent Antle, PhD
SVP Technical Operations
& Quality Assurance

Date:

29 Jun 22

STORAGE: Store at ambient temperature in sealed containers. Protect from moisture.

CAPTISOL®-Research Grade is not for human use.