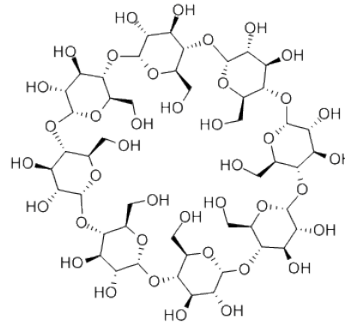


Certificate Of Analysis

Name: Gamma-Cyclodextrin
CAS No.: 17465-86-0
Cat No.: A850128
Molecular Formula: C₄₈H₈₀O₄₀
Molecular Weight: 1297.12
Batch No.: G23092022
Mfg.Date: 2022.09.23
Exp.Date: 2024.09.22



Items	Specifications	Results
Appearance	White crystalline powder	Conforms
Solubility	Freely soluble in water, practically insoluble in ethanol	Conforms
Identification	IR: Same absorption bands as gamma cyclodextrin RS HPLC: The retention time of the major peak of sample solution corresponds to the standard solution.	Conforms
PH	5.0~8.0	6.3
Clarity and color of solution	10mg/ml water solution is clear and colorless	Conforms
Limit of light-absorbing substances	230 and 350nm the absorbance is NMT0.10, and between 350 and 750nm, the absorbance is NMT 0.05	Conforms
Reducing sugars	≤0.5%	0.1%
Residue on Ignition	≤0.1%	0.06%
Related substance	Alpha cyclodextrin ≤0.5% Betadex cyclodextrin ≤0.5% Sum of other impurities ≤0.5%	Not detected
Loss on drying	≤11.0%	7.8%
Heavy metal	≤10ppm	<10ppm
Microbial contamination	TAMC ≤10 ³ cfu/g TYMC ≤10 ² cfu/g Escherichia coli: Absence	30cfu/g 10cfu/g Not detected
Assay	98.0~102.0%	99.1%
Conclusion	The product tested complies with the specifications.	

Storage condition: Store in a tightly closed container in a cool and dry place.

Checker:

*If you have any comments and suggestions, please contact us by sales@amadischem.com

*For laboratory or manufacturing use only, not for drug, food and household use.