

Certificate of Analysis

Product Name	β -Cyclodextrin	Batch No.	R23F09194
CAS No.	7585-39-9	MFG. Date	Sep 19, 2023
CAT No.	R057424	Retest Date	Sep 18, 2025
Items	Specification	Results	
Appearance	White crystalline powder, smell-less	Conforms	
Assay	98.0~102.0%	100%	
Specific Rotation	+160°~+164°	+160.1°	
pH	5.0~8.0	6.0	
Residue solvents	Cyclohexane \leq 0.388% Toluene \leq 0.001% Trichloroethylene \leq 0.001%	Cyclohexane < 0.388% Toluene < 0.001% Trichloroethylene < 0.001%	
Chloride	\leq 0.018%	<0.018%	
Impurity absorbance	230-350 nm \leq 0.10 350-750 nm \leq 0.05	Conforms	
Loss on Drying	\leq 14%	10.5%	
Residue on Ignition	\leq 0.1%	0.067%	
Heavy Metals	\leq 0.0005%	< 0.0005%	
As	\leq 0.0002%	< 0.0002%	
Microbiology	Total counts \leq 1000 cfu/g Molds and Yeasts \leq 100 cfu/g E.coli : Negative	Total counts : <30 cfu/g Molds and Yeasts : <20 cfu/g E.coli : ND	
Conclusion	The above substance has been tested according to In-house standards, and it meets requirements.		
Storage Condition	Dry and Cool		

QC: *Alex Foster*
QA: *Felix Hobart*