



CERTIFICATE OF ANALYSIS

Product Name	β-Cyclodextrin	Batch No.	JL20240526
CAS	7585-39-9	MF Date	MAY.26,2024
Packing	20kg/Bag	Analysis Date	MAY.26,2024
Quantity	3000kg	Expiry Date	MAY.25,2026
ITEM	STANDARD		RESULT
Appearance	White, practically odorless, fine crystalline powder having a slightly sweet taste. Sparingly soluble in water.		Conform
Identification	IR	Same absorption bands as USP Beta Cyclodextrin RS	Conform
	HPLC	The retention time of the major peak of sample solution corresponds to the standard solution	Conform
	Optical rotation	+160°~+164°, determined at 20°C	+162°
	Iodine test solution	A yellow-brown precipitate is formed	Conform
Residue on ignition	NMT0.1%		Conform
Reducing sugars	NMT0.2%		Conform
Light-absorbing impurities	NMT0.10,230-350nm NMT0.05,350-750nm		Conform
Related compounds	Alpha cyclodextrin	NMT0.25%	Conform
	Gamma cyclodextrin	NMT0.25%	Conform
	Other related substances	NMT0.5%	Conform
Water determination	NMT14.0%		6.0%
Color and clarity of solution	0.2g/20ml water solution is clear and colorless		Conform
pH	5.0~8.0		6.5
Assay	98.0%~102.0% on the anhydrous basis		100.0%
The total aerobic microbial count	NMT103 cfu/g		<10cfu/g
The total combined molds and yeasts count	NMT103 cfu/g		<10cfu/g
Salmonella species	Absence		Not detected
Escherichia coli	Absence		Not detected
Conclusion	Qualified		

Analyst: Wen Qian
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 (JL24-001)