

山东滨州智源生物科技有限公司

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Specification Data Sheet for Beta-cyclodextrin

Cas No:7585-39-9

Appearance:	White,practically odorless,fine crystalline powder having a slightly sweet taste.	
Solubility:	Sparingly soluble in water.	
Identification:	IR	Same absorption bands as USP Beta Cyclodextrin RS
	HPLC	The retention time of the major peak of same solution corresponds to the standard solution.
	Optical rotation	+160° ~+164°
	Iodine test solution	A yellow-brown precipitate is formed.
Assay	98.0%~102.0%	
Residue on Ignition	≤0.1%	
PH	PH 5.0~8.0	
Light-absorbing impurities	Between 230 nm and 350 nm,the absorbance is not greater than 0.1;and between 350 nm and 750 nm,the absorbance is not greater than 0.05.	
Reducing sugars	≤0.2%	
Alpha cyclodextrin	≤0.25%	
Gamma cyclodextrin	≤0.25%	
Other related substances	≤0.5%	
Water determination	≤14.0%	
Color and Clarity of solution	0.2g/20mg/ml water solution is clear and colorless.	
The total aerobic microbial count	≤1000cfu/g	
The total combined moulds and yeasts count	≤100cfu/g	