

山东滨州智源生物科技有限公司

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Technical Data Sheet for BetaCyclodextrin

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