

山东滨州智源生物科技有限公司

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Specification Data Sheet for Alpha-Cyclodextrin

Cas No:10016-20-3

Appearance:	White or almost white amorphous or crystalline powder	
Solubility:	Freely soluble in water and in propylene glycol,practically insoluble in ethanol and in methylene chloride.	
Identification:	Optical rotation	+147° ~+152°
	HPLC	The retention time of the major peak of same solution corresponds to the standard solution.
	Iodine test solution	A yellow-brown precipitate is formed.
Assay	98.0%~101.0%	
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%	
Beta cyclodextrin	≤0.25%	
Gamma cyclodextrin	≤0.25%	
Other related substances	≤0.5%	
Water determination	≤11.0%	
Clarity of solution	10mg/ml water solution is clear	
The total aerobic microbial count	≤1000cfu/g	
The total combined moulds and yeasts count	≤100cfu/g	