



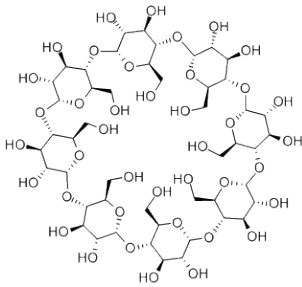
HANGZHOU DINGYAN CHEM CO.,LTD

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## CERTIFICATE OF ANALYSIS

NO: **DYC081810252**

Product name	Gamma-Cyclodextrin hydrate
CAS Number	17465-86-0
Molecule Structure	
Molecule Formula	C48H80O40
Batch number	20180720
Manufacture date	2018-07-20
Testing date	2018-07-20

Items	Standard	Result
Appearance	White powder	White powder
Purity	≥98 %	99.1%
Residue on ignition	≤0.1%	0.0%
Residue on sugars	≤0.2%	0.0%
Heavy metals	≤5ppm	<5ppm
Lead	≤0.5ppm	<0.5ppm
Arsenic	≤1.300ppm	<1.0ppm
Residue on solvents	≤20ppm	6ppm
Loss on drying	≤11%	9.0%
Specific rotation	173-180°	178°
Total number of bactertail colony	≤1000CFU/g	<1000CFU/g
Coliform group	≤40MPN/100g	<40MPN/100g
Mold	≤25CFU/g	<25CFU/g
Yeast	≤25CFU/g	<25CFU/g
Pathogens in 25g	not have	not have

Hangzhou Dingyan Chem Co.,Ltd.

Quality Control: *Paula*

CHECK: 姚仙娟

INSPECTOR: 刘清风