



CERTIFICATE OF ANALYSIS

Product	a-Cyclodextrin, hydrate
Grade	High Purity
Product Code	CB0348
Formula	C ₃₆ H ₆₀ O ₃₀
MW	972.86
CAS#	10016-20-3
Lot No	

Test Items	Specifications	Results
Appearance	White to off-white powder	
Color in solution (10% in water)	Colorless to slightly yellow	
Turbidity(1% in water)	≤4.0 NTU	
Decomposition Point	274 - 278 °C	
Loss on drying (105 °C, 3 h, vacuum)	≤10 %	
Specific Optical Rotation alpha]D (c = 1 in water; 20 °C)	143.0 - 153.0	
Purity (HPLC)	≥90.0 area-%	
FT-IR Spectrum	Corresponds to reference spectrum	

Storage: R.T.