



**CERTIFICATE OF ANALYSIS FOR**  
**2-Hydroxypropyl-Beta-Cyclodextrin**

Lot No	20120704	Package	10kg/drum,20kg/drum
Date of sample	20120711	Quantity	560kg
Place of sample	Clean room	Date of issue	20120716
Manu date	20120710	Expiry date	20140709
Standard		EP6.0	
Items	Specification	Testing results	
Appearance	White or almost white Amorphous or crystalline powder	Conform	
Solubility	Freely soluble in water and in Propylene glycol	Conform	
Assay	≥98%	99.9%	
Degree of substitution	3-10	5	
Loss on drying	≤10.0%	4.1%	
Heavy metal	≤20ppm	<20ppm	
Conductivity	≤200μs/cm	131μs/cm	
Beta-CD	≤1.5%	<1.5%	
Propylene glycol	≤2.5%	<2.5%	
Related Substances	ImpurityA≤1.5% ImpurityB≤2.5% Any other impurity≤0.1% Total of other impurity≤1.0%	Conform	
The total number of germ	≤1000	<100	
The total number of mould	≤100	<10	
<b>Conclusion: Check up to EP6.0, approved</b>			

Director: MU

Recheck: 02

By: 01

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