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**CERTIFICATE OF ANALYSIS**

Product Name:	Hydroxypropyl-beta-cyclodextrin		
CAS No.:	99241-25-5/128446-35-5	Quantity	1450KG
Rep Date	2017.10. 02	Batch NO.	20171002
MFG. Date	2017.10. 02	Expiry Date	2019.10.01

Item	Specifications	Results
Molar Substitution	0.40-1.50	0.79
Clarity of solution	50%(w/v) water solution is clear	clear
Identification(IR)	same absorption bands as USP Hydroxypropyl Betadex RS	Qualify
Loss on Drying	≤10.0%	4.17%
Conductivity	10%(w/v) water solution ≤200μS/cm	68.8 μS/cm
Propylene oxide	≤1ppm	Qualify
Propylene glycol	≤2.5%	0.04%
Sum of Other Impurities	≤1%	0.07%
Betadex	≤1.5%	0.13%
Any other single impurity	≤0.25%	Qualify
Heavy Metal	≤20μg/g	<10μg/g
TAMC(cfu/g)	≤1000cfu/g	80cfu/g
TYMC(cfu/g)	≤100cfu/g	<10cfu/g
Bacterial endotoxins (EU/g)	---	---
Conclusion	The results conforms with USP40-NF35	

Analyst:Liya

Checker:Weichen

Q.C.Director:Xuleilei