



武汉福鑫化工有限公司

Wuhan Fortuna Chemical Co.,Ltd

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CERTIFICATE OF ANALYSIS

Product name: 2-Hydroxypropyl-Beta-cyclodextrin

Batch No: 210301

Manufacturing date: 2021.03.05

Expiry date: 2023.03.04

Batch size: 1590 kg

Date of check: 2021.03.07

Items	Specifications	Result
Appearance	White or almost white, amorphous or crystalline powder	Conform
Solubility	Freely soluble in water and propylene glycol	Conform
Identification	A. Same absorption bands	Conforms
	B. It complies with the test for appearance of solution	Conforms
Solutions S	Meet EP9.0 standard	Conforms
Appearance of solution	Meet EP9.0 standard	Conforms
Conductivity	Maximum $200\mu\text{S}\cdot\text{cm}^{-1}$	$20\mu\text{S}\cdot\text{cm}^{-1}$
Related substances	Impurity A (Betadex) $<1.5\%$	0.22%
	Sum of impurities other than A $<1.0\%$	Not detected
	Impurity B (Propylene glycol) $<2.5\%$	0.02%
Moisture	$\leq 10.0\%$	4.5%
Molar substitution	0.40-1.50	0.60
Heavy metal	$<0.002\%$	$<0.002\%$
The total Aerobic count	$\leq 1000\text{cfu/g}$	100
The total Moulds and Yeasts	$\leq 100\text{cfu/g}$	30
Escherichia coli	Absent	Not detected
Salmonella	Absent	Not detected

Result

Conforms to the EP9.0

Q.C.: Luo Xiaofeng

Tester: AT02

Re-tester: AT03