

Certificate Analysis

Product name	Hydroxy propylmethyl cellulose Package (HPMC E15)	25kg /barrel
Batch No:	200930	Sampling amount 500 g
Production Date	Sep. 27. 2020	
Report date	Oct.06. 2020	Amount of a batch 3000 kg
Quantity standard	USP38	Shelf date 2 Year

Item	Specification	Results
Appearance	White to slightly off-White Power	Confirms
Identification A,B,C,D,E	A. Allow the beaker to stand for 1 to 2 minutes; the powered material aggregates on the surface ;	Confirms
	B. The resulting liquid is a clear or slightly turbid solution with thickness dependent on the Viscosity grade;	Confirms
	C. A red color develops at first that changes to purple within 100 minutes;	Confirms
	D. A coherent ,clear film forms on the glass slide;	Confirms
	E. The flocculation temperature is higher than 50.	Confirms
Methyl Content,. %	28.0 - 30.0	29.70
Hydroxy propoxyl Content,. %	7.0 - 12.0	7.88
PH	5.0 - 8.0	6.38
Viscosity,mPa.s	12.0 - 18.0	15.44
Loss on drying, %	≤5.0	2.88
Residue on ignition,%	≤1.5	0.36
Heavy metals,%	≤0.002	<0.002
Arsenic,%	≤0.0002	<0.0002
Total aerobic microbial count	≤1000 cfu/g	Confirms
Total molds and yeasts	≤100 cfu/g	Confirms
Escherichia	Negative	Not Detect

Inspector: Li

Supervisor: Wang

Conclusion: The product confirms to usp38 standards