



Shandong ETON New Material Co. Ltd

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CERTIFICATE OF ANALYSIS

Sample Name	HYDROXY PROPYL METHYL CELLULOSE IP/BP/USP41		
Grade	2910	Type	E6
Workshop NO.	5#	Manufacturing Date	17th,AUG,2023
Quantity	3000kg	Report Date	24th,AUG,2023
Batch No.	2308004	Expiry Date	16th,AUG,2028
Test project	All the analysis		
Items	Standard		Result
Appearance	White to slightly off-white fibrous or granular powder.Swells in water and produces a clear to opalescent,viscous colloidal mixture.		Conform
Identification	A:The powdered material aggregates on the surface.		Conform
	B:The resulting liquid is a clear or slightly turbid solution with thickness dependent on the viscosity grade.		
	C:A red color develops at first that changes to purple within 100 min.		
	D:A coherent clear film forms on the glass slide.		
	F:The flocculation temperature is higher than 50°C.		
Assay(by GC)	Hydroxypropoxy:7.0%-12.0%		7.8
	Methoxy: 28.0%-30.0%		28.7
PH	5.0-8.0		5.2
Viscosity, mPa·S	Marking Value<600 (80%-120%) Marking Value≥600 (75%-140%)		5.8
Water-insoluble Substances, %	≤0.5		0.3
Loss on Drying, %	≤5.0		2.7
Residue on Ignition, %	≤1.5		0.6
Heavy Metal, ppm	≤0.1‰		Conform
Arsenic %	≤0.0002		Conform
Bioburden			
TAMC cfu/g	≤600		Conform
TYMC cfu/g	≤60		Conform
Escherichia Coli	Negative		Not Detect
Material complies with USP41			

