

**CELLULOSE & DERIVATIVES**  
**CERTIFICATE OF ANALYSIS**

Product Hydroxypropyl Methylcellulose (HPMC) 2910  
Grade E5 Conforming Microbiological Test in Fibre Drum, contents 25 kg Net  
Quantity 2000KG Date of Manufactures 2024-05-03  
Lot Number 2405-092 Before/Date of Expiry 2027-05-02

TEST ITEM	SPECIFICATION	TEST RESULT
APPEARANCE	WHITE POWDER OR GRANULES	CONFORMS
IDENTIFICATION A TO E	CONFORMS	CONFORMS
SOLUBILITY	PRACTICALLY INSOLUBLE IN HOT WATER IN ACETONE IN ETHANOL, METHER & IN TOLUENE IT SWELLS IN WATER FORMING AN OPALESCENT VISCOUS COLLOIDAL SOLUTION	CONFORMS
HYDROXYPROPOXYL CONTENT (wt%)	7.0-12.0	8.0
METHOXYL CONTENT (wt%)	28.0-30.0	28.6
APPARENT VISCOSITY (cp)	3.0-6.0	4.9
PH (25°C)	5.5-8.0	6.59
LOSS ON DRYING (wt%)	5.0max	3.3
RESIDUE ON IGNITION (wt%)	1.5max	0.94
HEAVY METALS (ppm)	10 max	Less than 10
ARSENIC (ppm)	2max	Less than 2
TOTAL BACTERIUM	1000/gram max	90
MOLD	100/gram max	30

This material meets all requirements of USP45 and ChP2020.

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**Warranty:** This specification herein is offered as a guide and is believed to be accurate as of the date of issue. The values given are not to be considered as a warranty and they are subject to change without prior notice. For final contract specification regarding our products, please re-confirm with Technical Team or given by our sales.