

ChemPoint, LLC
411 108th Ave NE Suite 1050
Bellevue WA 98004

Certificate of Analysis

Date: 18 Jun 2025
Our ref. no.: 43347181 30
Your ref. PO00119041

Material:	12700413	METHOCEL(TM) E4M Premium
Customer material no.:	0130564	Hydroxypropyl Methylcellulose
Batch No.:	2464834831	Retest date: 18 May 2027
Quantity:	40 BAG	Production date: 18 May 2025

Test	Result	Specification	Unit	Reference
Apparent Viscosity 1)	3667	2663 - 4970	mPa sec	USP/EP/JP/CHP
Loss on drying	1.4	<= 5.0	%	USP/EP/JP/CHP
Residue on ignition	0.2	<= 1.5	%	USP/JP/CHP
Sulphated ash	0.2	<= 1.5	%	CURRENT USP/EP/JP
pH 2)	6.7	5.0 - 8.0		USP/EP/JP/CHP
Methoxyl content	29.5	28.0 - 30.0	%	USP/EP/JP/CHP
Hydroxypropoxyl content	9.1	7.0 - 12.0	%	USP/EP/JP/CHP
Opalescence	Passes test	Passes test		CURRENT EP
Colour Evaluation 3)	Passes test	Passes test		CURRENT EP

Comments

The material property data reported in this COA are representative values obtained in laboratory tests conducted on a product sample taken from the batch produced. The undersigned certifies, that at the time of issuance of this COA, that the material property data reported are the results of the tests conducted. It is the recipient's sole responsibility to determine the suitability and legality of its proposed use of the Products.

If provided in any language other than English, the original English version will control, and the undersigned hereby disclaims responsibility for any errors caused by translation.

It is hereby certified that the material indicated above has been manufactured in accordance with excipient and food additive GMPs, meets the requirements of the current USP/Ph.Eur./JP/ChP/E464/JECFA/FCC for Hypromellose/Hydroxypropyl Methylcellulose and, unless agreed otherwise, conforms in all respects to the specification relevant thereto.



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This batch, based on audit testing and/or process controls, is certified to meet all specification requirements for heavy metals (as Pb) NMT 10 mg/kg (ChP), harmonized identification tests, residual solvents, microbiological limits, NMT 0.5% water insoluble substances (ChP) and the following metals:
Arsenic: NMT 2 mg/kg
Cadmium: NMT 1 mg/kg
Lead: NMT 2 mg/kg
Mercury: NMT 1 mg/kg

- 1) Measurement conditions: 2% in water @ 20degC
- 2) Measurement conditions: 2%in water
- 3) Measurement conditions: Solution Color

This certificate is generated automatically from a controlled electronic document management system and is valid without a signature.

Approved and Digitally signed by

TRACI SMITH

Product is released under the authorization of quality manager.
Batch Release Date: 29 MAY 2025