

Certificate 2952684

The Dow Chemical Company

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Date: 04/20/2006

Certificate of Analysis

Shipped: 04/24/2006

MARLENE LITKE - PURCHASING
UNIVAR CANADA LTD
99 LOWSON CRES
WINNIPEG

Fax: 204-489-0881

STN 10897

MB R3P 0T3

CANADA

Cust P.O.: 17-0-33459

Divy Note: 61116236 10

Material: METHOCELx K4M Premium CR
Hydroxypropyl Methylcellulose

Spec: 00002683-S

Batch: UA18012N12

Expires: 01/17/2011

Ship from: GATEWAY INDUSTRIAL PARK GROVE CITY OH UNITED STATES

It is hereby certified, the material indicated above has been manufactured in accordance with the FDA's Current Good Manufacturing Practices, Kosher guidelines, was inspected and tested in accordance with the conditions and requirements of Current USP for Hypromellose and unless agreed otherwise, conforms in all respects to the specification relevant thereto.

| Feature | Units | Results | Limits | |
|---------------------------------------|-------|------------|---------|---------|
| | | UA18012N12 | Minimum | Maximum |
| Apparent Viscosity, USP | cPs | 3,938 | 3,000 | 5,600 |
| Loss on Drying | % | 2.1 | ---- | 5.0 |
| Methoxyl | % | 23.1 | 19.0 | 24.0 |
| Hydroxypropoxyl | % | 8.6 | 7.0 | 12.0 |
| Particle Size, thru 40 U.S. Std Sieve | % | 100.0 | 99.0 | ---- |
| Particle Size, thru 100 U.S. Std Siev | % | 92.6 | 90.0 | ---- |

Typical Properties: This batch, based on audit testing and process control, complies with the following additional specification requirements:

- USP Identification Tests A, B, and C: Passes
- Residue On Ignition (ash): Not more than 1.5%
- Organic Volatile Impurities: Passes
- Heavy Metals as PB: Not more than 10 ppm or 0.001%
- Microbiological Limits: Passes

Batch (Lot) Number manufactured location: 2N = Midland; 24 = Plaquemine, LA

Sandy Schlesinger
Quality Systems Specialist, METHOCELx Cellulose Ether

For inquiries please contact Customer Service or local sales.

English: 800-232-2436 French: 800-565-1255

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