

**Certificate of Analysis**

	<b>Customer Order:</b> <b>Shipped Quantity: 117 BAG</b> <b>Shipped From: AAFI MRRSVLLE NEWFORD MILL W3P</b>  <b>Order Number:</b> <b>Delivery:</b> <b>Date Shipped: January 17, 2013</b> <b>Sold To Number:</b>
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BENECEL K4M PHARM BAG 18.14KG  
 Benecel(TM) K4M PHARM HYPROMELLOSE  
 Ashland Material Number: 414286

Characteristics	Unit	Specification	Batch
Date of Manufacture			November 09, 2012
Loss on drying	%	0.0 - 5.0	1.7
Viscosity 2% solution, dry	mPa.s	2700 - 5040	3736
Sulphate Ash/Res. On Ign.	%	0.0 - 1.5	0.5
pH of solution		5.0 - 8.0	7.2
Hydroxypropoxyl content	%	7.0 - 12.0	8.7
Methoxyl content	%	20.0 - 24.0	23.6
Quantity Shipped			117 BAG

**Notes:**

Identification A,B,C,D,E : pass

The Certified range data below are based on intermittent testing:

- Heavy metals (as Pb), ppm: <=20
- USP Residual Solvents <467> : Meets requirements
- Appearance of Solution : Meets requirements

This product conforms to the monograph for hypromellose type 2208 in the current NF,EP,JP.  
 This product has been manufactured in accordance with the current Joint IPEC-PQG Good Manufacturing Practices Guide for Pharmaceutical Excipients. This product is intended for excipient use only.

Our products have a retesting interval, which is assigned to assure that the product can still satisfy the original specifications to which these products are sold. Product best if used within 24 months of manufacture date and 12 months of retest date if stored under proper conditions.

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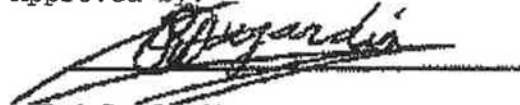
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manufactured by:  
 Ashland Industries  
 Europe GmbH  
 affiliate of Ashland Inc.  
 AVEN 1920, GESLECHT 2  
 130 DOEL-BEVEREN  
 BELGIUM

Approved by:



Raf Du Jardin

Quality Manager