DOW EUROPE GMBH

MEPAVEX LOGISTICS BV
VAN KONIJNENBURGWEG 107 BLDG
NOORDLAND 11 DRIVERS DESK
4612 RC BERGEN OP ZOOM
NETHERLANDS

Ship From: Antwerp VLS 1097 Whse
Antwerpen
Flemish Region, Belgium

Certificate of Analysis

Product Number 00000310380

Product Name

ANTISOL™ FL 30000 Polyanionic Cellulose Polymer

Delivery No. 813282579 / 000010

Order Number 108186535

Shipping Units 524.000 BAG

Date Shipped 2018-07-13 (YYYY-MM-DD)

Shipment No. 32400620

Customer Information

Customer Name MEPAVEX LOGISTICS BV

Customer PO number POEU00005945

Customer Product Code 10111231

Container ID 66DBH6

Specification Number 000000112972

Manufacturing Adress:

Dow Deutschland Anlagengesellschaft mbH
August-Wolff Strasse 13
29699 Bomlitz

Germany

Batch Number	F294I57413
Manufacturing Date	2018-05-07 (YYYY-MM-DD)
Quantity	524.000 BAG
Net Weight	4192.000 KG
Country of Origin	DE
Country of Origin Name	Germany

It is hereby certified, that the material indicated above has been inspected and tested in accordance with the testing parameters set forth in the product specification and, unless agreed otherwise, conforms in all respects to the specification relevant thereto.

Test	Unit	Lower Limit	Upper Limit	Value	Method
Substitution degree of		**0,85**	**-**	**1,04**	**CE-28.4**
Moisture Content as packaged	**%**	**-**	**10,0**	**5,5**	**CE-7.1**
Sodium Chloride content	**%**	**-**	**2,00**	**0,22**	**CE-15.5**
pH Value 1% aqueous solution		**7,0**	**9,5**	**9,0**	**CE-8.1**

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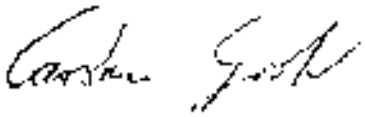
Viscosity	**mPa.s**	**2500**	**-**	**3030**	**CE-5.15**

BROOKFIELD, LVT, SP.3, 30 RPM
1% AQUEOUS SOL. (DRY BASIS), 25DEGC

The data on the Certificate of Analysis are as measured on the day of the analysis. This inspection certificate does not relieve you from testing the incoming material.

The shelf life of this product is 1095 days from the date of manufacture. However, as a result of a natural process the viscosity for Sodium Carboxymethylcellulose may decrease in time. The product can still be used safely up to the indicated shelf life end date, but may need a slight dosage correction in order to give optimum performance in application. All other parameters of the specification exceptional viscosity and moisture are stable and do not require reevaluation.



Dr. Carsten Grote, Quality System Specialist
Dow Deutschland Anlagengesellschaft mbH

For inquiries please contact Customer Service or local sales