



Version 00
 Molecular weight .00
 Quality Test / Release Date 08/28/2019
 Molecular Formula
 CAS No 9004-32-4
 Linear Formula
 Flash Point (°C)

Certificate of Analysis

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Acros Organics expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to human or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	33263	Quality Test / Release Date 08/28/2019
Lot Number	A0411734	
Description	Carboxymethyl cellulose, sodium salt, average M.W. 250000 (DS =1.2)	
Country of Origin	FRANCE	
Declaration of Origin	synthetic	

BSE/TSE comment	
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Chemical Comment	
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Result name	Units	Specifications	Test Value
Appearance (Color)		White to light beige	Light beige
Appearance (Form)		Crystalline powder	Crystalline powder
Infrared spectrum		Conforms	Conforms
Assay		>=99.5 %	>=99.5 %
Loss on drying		=<10 % (As packed) (3 to 5 g, 105° C, 2 h)	7.4 % (As packed) (3 to 5 g, 105°C, 2 h)
Heavy metals		=<20 ppm	=<10 ppm
pH		6.5 to 8 (1 % solution)	7.4 (1 % solution)
Viscosity		1500 to 3100 mPa.s (2 % at 25°C) (Brookfield)	2600 mPa.s (2 % at 25°C) (Brookfield)
Arsenic (As)		=<3 ppm	=<3 ppm
Lead (Pb)		=<10 ppm	=<2 ppm
Degree of substitution		1.15 to 1.45	1.18



A handwritten signature in black ink, appearing to read "L. Van den Broek".

L. Van den Broek, QA Manager

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