

## Certificate of analysis

### CMC Powder 4000 – 5000 cps

E No.	466
Art. No.	12355
Lot No.	18091032
Manufacturing date	10.09.18
Expiry date	09.09.20
Origin	China

	Specification parameters	Certificate of analysis
<b>Sensoric description</b>		
Appearance	white – off white powder	conforms
Odour and taste	neutral, characteristic	conforms
<b>Chemical / physical data</b>		
Foam test	passes tet	conforms
Precipitate formation	passes test	conforms
Colour reaction	passes test	conforms
Grade of substitution	approx. 0.80 - 0.95	0.88
Assay %	min. 99.5	99.70
pH - Wert (1 % sol.)	approx. 6.0 – 8.0	7.4
Loss on drying %	max. 8.0	7.4
Viscosity cps (Brookfield LVT, 1%25 °C, Spl. 3, 30RPM )	approx. 4.000 - 5.000	4510
Particle size (%) thru 80 mesh	min 80	conforms
Heavy metals (as Pb) ppm	max. 20.0	conforms
Arsenic ppm	max. 3.0	conforms
Lead ppm	max. 2.0	conforms
Mercury ppm	max. 1.0	conforms
Cadmium ppm	max. 1.0	conforms
Sodium (on the anhydrous basis) %	max. 12.4	8.65
Sodium glycolate (on the anhydrous basis) %	max. 0.4	0.20
<b>Microbiological data</b>		
Total plate count p/g	max. 1.000	conforms
Yeasts and moulds p/g	max. 100	conforms
Coliform units p/g	negative	conforms
E.coli p/ g	negative	conforms
Salmonella /25 g	negative	conforms
Packing	Paper bags with PE inner liner at 25 kg	
Shelf life	2 years after manufacturing date, under recommended conditions	
Storage	under cold and dry conditions, closed bags, at 15-28°C, max. 65% RH	

The material complies with the requirements of the Food Chemical Codex (FCC), the EU Regulation 231/2012 listed with the specifications set out in Annexes II and III to Regulation (EC) No 1333/2008 on food additives and Regulation (EC) No 1831/2003 on additives for use in animal nutrition.

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