



Certificate of Analysis

Xanthan Gum/ Xanthan E 415

Batch: M1610B-G09
Production Date: 19.04.2016
Expiration Date: 18.04.2018
Type: 200 Mesh

Property	Unit	Specification		Result
		min	max	
Appearance		Cream-White Powder		Conforms
Moisture	[%]	0	13	9.08
Viscosity at 25 deg. C.	[cps]	1400	1700	1405
pH value	-	6	8	7.05
Solubility	-	Soluble in water, insoluble in Ethanol		Conforms
Ash	[%]	0	13	8.6
Shear rate	[min.]	6		8.1
V1:V2	0	1.02	1.45	Conforms
Pyruvic acid	[%]	1.5	0	Conforms
Nitrogen	[%]	0	1.5	Conforms
Heavy metals	[mg/Kg]	0	s	Conforms
Lead	[mg/Kg]	0	2	Conforms
Arsenic	[mg/Kg]	0	2	Conforms
Mercury	[mg/Kg]	0	1	Conforms
Cadmium	[mg/Kg]	0	1	Conforms
Propan-2-ol; Ethanol	[mg/Kg]	0	500	136
Total plate count	cfu/g; KbE/g	0	2000	200
Yeasts and moulds	cfu/g; KbE/g	0	100	<100
Coliforme	cfu/g; KbE/g	negative		Conforms
Salmonella	cfu/10g; KbE/10g	negative		Conforms
Staphylococcus	cfu/g; KbE/g	negative		Conforms
Xanthomonas campestris	cfu/g; KbE/g	negative		Conforms

Quality:	Complies with the purity standard for E 415 according regulation No. 2012/231/EC as well as the regulation 2008/1333/EC. Further the product appropriate to the regulation 1831/2003/EC
Remark:	Category: food applications and Technological additives

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