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## ANALYSIS CERTIFICATE

➤ Date: 23/10/2025

### Identification product:

➤ Product name: **XANTHAN GUM**  
➤ Reference : **0320100**  
➤ Batch number : **16515**  
➤ Production date: **10/2025**  
➤ Expiry date: **10/2027**

### Physicals analysis :

	<u>Results</u>	<u>Specifications</u>
➤ Appearance	Conform	Cream-coloured powder
➤ Solubility	Conform	Readily soluble in hot or cold water
➤ Particle size (through 80 mesh)	98 %	min. 92.0
➤ Viscosity (1% solution in KCl 1%)	1 510 mPas	1 200 – 1 600 mPas
➤ Viscosity ratio V1:V2	1.04	1.02 – 1.45
➤ Loss on drying	6.8 %	max. 15.0 %
➤ Ash (on DM)	6.2 %	max.16.0 %
➤ Lead	Conform	max. 2 mg/kg
➤ Ethanol and propan-2-ol singly or in combination	214 mg/kg	max. 500 mg/kg singly or in combination
➤ Nitrogen	Conform	max. 1.5 % (method Kjeldahl)
➤ Pyruvic acid	5.5%	min. 1.5 %
➤ Assay on DM (CO <sub>2</sub> )	Conform	4.2 – 5.0 CO <sub>2</sub> (corresponding to between 91% and 108% of xanthan gum)

### Microbiological specifications:

➤ Total plate count :	50 cfu/g	max. 2 000 cfu/g
➤ Yeasts and moulds :	75 cfu/g	max. 200 cfu/g
➤ Escherichia Coli :	absent	absent in 25g
➤ Salmonella :	absent	absent in 25g
➤ Xanthomomas campestris :	Conform	no viable cells in 1g

### Legal Status:

Product conform: 231/2012/EU, E 415, FCC 13

This product is a raw material. The user alone is responsible for complying with regulations applying to its manufacture, marketing and used. The analysis figures mentioned in this certificate do only serve as product description and they have been ascertained immediately after production resp.import of the goods. A legally binding guarantee of certain characteristics or of the suitability for a concrete application cannot be deduced from this certificate. Improper transport and/or improper storage can cause changes. The certificate does not release the consumer from his own examinations of the characteristics of the product and the suitability for the intended use.