

## PRODUCT DATA SHEET

Product: **XANTHAN GUM POWDER CLEAR SIFTED**

Product code: **PF000060**

### PRODUCT DESCRIPTION

*Xanthan gum (E415) is a polysaccharide produced as a secondary metabolite by a biotechnological fermentation process, based on the culture, in aerobic conditions, of a micro-organism: Xanthomonas campestris. Xanthan gum is a high molecular weight polysaccharide produced by viscous fermentation. Its unique functionality compared to other commercial polysaccharides is provided by the actual structure of the xanthan gum molecule. The polymer backbone is made up of  $\beta$ -1, 4-linked D-glucose residues and, therefore, is identical to the cellulose molecule. A trisaccharide branch containing one glucuronic acid unit between two mannose units is linked to every other glucose unit at the number 3 position).*

PARAMETERS	SPECIFICATIONS
Appearance	White to cream, free-flowing powder
Total ashes (%)	16.0 max.
Moisture (%)	12.0 max.
pH (1% solution)	6.0 – 8.0
Transmittance at 650 nm (%)	85 min.
Pyruvic Acid (%)	1.5 min.
Viscosity at 1% KCl solution - 25°C (cps) <i>Using Brookfield LVTD ; Spindle 3 ;60 rpm</i>	1300 - 1700
Mesh size (pass through %)	
- 60 Mesh sieve	100.0 min.
- 80 Mesh sieve	95.0 min.
- 270 Mesh sieve	15.0 min.
Isopropyl Alcohol (mg/kg)	500 max.
Arsenic (ppm)	2.0 max.
Lead (ppm)	2.0 max.
Mercury (ppm)	1.0 max.
Cadmium (ppm)	1.0 max.
Heavy metals as lead (ppm)	20.0 max.
<b>Bacteriological parameters</b>	
Total plate count / g	1 000 max.
Yeasts / g	50 max.
Moulds /g	50 max.
<i>Coliform</i> /g	Negative
<i>E. coli</i> / 25g	Negative
<i>Salmonella</i> / 25g	Negative

**Nota** : The analytical specifications warranted are only those mentioned on the certificate of analysis supplied with each delivery of the product.

**Shelf-life:** 3 years in the original packing at cool and dry conditions.

**Packing:** Packaged in 20 kg boxes or 25 kg bags

**Others:** E415 - Ph. Eur. - USP/NF - FCC - Custom tariff code: 39 13 9000

INCI: Xanthan gum - EINECS: 234-394-2 - CAS: 11138-66-2

## Nutritional Data

Only for information, typical values in 100g

**Protein:** 0 g

**Fat:** 0 mg

**Carbohydrate:** 80 g

Dietary fiber: 80 g

Soluble fiber: 80 g

**Sodium:** 3300 mg

**Water:** 10 g

**Vitamins (A, B1, B2, B6, B12, C, D, E):** 0 mg

### Minerals

Calcium: 30 mg

Iodine: 0 µg

Iron: 0 mg

Magnesium: 65 mg

Phosphorus: 0 mg

Potassium: 300 mg

Zinc: 0 mg

**Energy:** 640 kJ / 160 kcal