



PRODUCT DATA SHEET

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Pharmaceutical Grade LA Gellan Gum

CAGGEL™ LPH400

Description:

CAGGEL™ LPH400 is a high molecular weight extracellular microbial polysaccharide produced by aerobic fermentation of a pure culture of *Sphingomonas elodea*. As a suspension and texture improving agent, **CAGGEL™ LPH400** is mainly applied in pharmaceutical products. It can also be applied in eye drops, plant capsules and cosmetic purpose. **CAGGEL™ LPH400** Gellan gum is highly versatile and can be combined with other hydrocolloids to obtain products with different texture and other attributes.

Features

- ◆ Good suspension power
- ◆ Complies with USP requirements
- ◆ Low protein reactive
- ◆ Outstanding flavor release

Dispersion

To disperse the product without lumps :

- ◆ Premix the powder with the other dry ingredients, and pour the preparation into the liquid under efficient stirring. Continue stirring to obtain a complete dispersion.
- ◆ or, disperse it in a non-solvent medium (oil or others).

Dissolution

The dissolution of the product depends on the medium and the process: it is improved by heat treatment (time, temperature), shear stress (stirrer, homogenizer). A complete dissolution can be rapidly obtained at around 85-90°C for 10-15min.

Ingredients:

CAS: 71010-52-1

For use as a stabilizer and thickener

Regulation

This product conforms to many legislative standards. However, we recommend that the user ensures that this product is in compliance with the local regulations in force, particularly in the country where the product is to be consumed.

Quality Assurance

- ◆ Manufactured according to FSSC 22000

Packaging, storage and shelf life

The product is packed in 25Kg/Drum with propylene bag inner or according to customer's specific request. Store away from heat and moisture, preferably at a temperature below 25°C (77°F) and at about 65% relative humidity. The product, when stored in these conditions and in its original unopened packaging, will maintain its initial properties for at least 24 months.

Regulatory information:

The product comply with USP

Specification

Items	Specification
Appearance	White to off- white powder
Content	85~108%
Assay (CO ₂ Yielding)	3.3~6.8%
Total Nitrogen	Not more than 3%
Particle size (Pass 60 mesh)	Not less than 98%
Powder color	Not less than 74%
Loss on Drying	0 ~14%
Transmittance (0.5% Solution)	Not less than 76%
Gel strength (0.5% Solution)	Not less than 900g/cm ²
pH (1% Solution)	6 ~ 8
Residue of alcohol	Not more than 750mg/kg
Total heavy metals	Not more than 20.0mg/kg
Lead	Not more than 2mg/kg
Mercury	Not more than 1mg/kg
Arsenic	Not more than 2mg/kg
Cadmium	Not more than 1mg/kg
Total bacterial	Not more than 100cfu/g
Yeast & Mold	Not more than 10cfu/g
E. Coli	Negative in 5g
<i>Salmonella</i>	<i>Negative in 25g</i>
<i>S. aureus</i>	<i>Negative in 1.0g</i>
<i>P. aeruginosa</i>	<i>Negative in 1.0g</i>