



Product Specification

Supreme 106

Description:

Highly refined, fine grade, high viscosity guar gum for use in food and feed industry

Classification:

FAO/WHO Codex Alimentarius- Food Status

European Community: Food Status (E412)

Food Chemist Codex- Food Status: Direct Food Additive

FEMA/GRAS No 2537

CAS No: 9000-30-0

HS Code: 130.202.30

Typical Specification

General Properties:

Creamish White Coloured Powder extrated from the ednosperm of Guar Seed (Cyamopsis Tetragobonalobus) comprising of linear mannose backbone with single galactose side unit. Soluble in both Hot and Cold Water. It can attain a high visocisty at low concentration in water. It is a non newtonian and shear thinning galactomannan.

| Characterstics: | | | | |
|--|-------------------------------|----------------|---------|-------------|
| Colour | Creamish White | | | |
| Solubility | Soluble in Hot and Cold Water | | | |
| Odour | Bean Like, Typical | | | |
| Property/Parameter | Unit | Minimum | Maximum | Test Agency |
| Moisture | % | NA | 12 | In House |
| pH | pH | 5.5 | 6.5 | In House |
| Residue Insoluble in Acid (RIA) | % | NA | 3 | In House |
| Protein | % | NA | 5 | In House |
| Ash | % | NA | 1 | In House |
| Galactomannan | % | 81 | NA | In House |
| Starch | NA | Not Detectable | | In House |
| Organic Peroxides | meq active oxygen/Kg | NA | 0.7 | 3rd Party |
| Furfural | ppm | NA | 1 | 3rd Party |
| Pentachlorophenol | mg/kg | NA | 0.01 | 3rd Party |
| Borates | NA | Not Detectable | | CONFORMS |
| Viscosity 1% Cold (measured on Brookfiled RV Viscometer at 20 RPM with Spindle No 4 at 25 Deg Celcius) | | | | |
| 2 Hours | Centipoise | 5000 | 5500 | In House |
| 24 Hours | Centipoise | 5200 | 5800 | In House |
| Particle Size Analysis | | Through | On | |
| BSS Mesh 100 (150 microns) | % | 1 MAX | 99 MIN | In House |
| BSS Mesh 200 (75 microns) | % | 5 MAX | 95 MIN | In House |
| Heavy Metals | | | | |
| Arsenic | ppm | NA | 3 | 3rd Party |
| Mercury | ppm | NA | 1 | 3rd Party |
| Cadmium | ppm | NA | 1 | 3rd Party |

| | | | | |
|----------------------------|---------------|----|----------|-----------|
| Lead | ppm | NA | 2 | 3rd Party |
| Total Heavy Metals (as Pb) | ppm | NA | 10 | 3rd Party |
| Microbiology | | | | |
| Standard Plate Count | cfu per gm | NA | 5000 | In House |
| Yeast and Mould | per gm | NA | 300 | In House |
| Coliform Bacteria | per gm as MPN | NA | 50 | In House |
| E Coli | per 10 gms | NA | Negative | In House |
| Salmonella | per 25 gms | NA | Negative | In House |
| Pseudomonas | per gm | NA | Negative | CONFORMS |
| Staphylococcus Aureus | per 10 gms | NA | Negative | 3rd Party |

Packing:

Available in 25 Kg or 50 Lbs Net HDPE Paper Laminated Bags (Open Mouth) with Inside Polyliner/950 Kg or 2000 Lbs Net Big Bags/Other packing available upon request

Storage:

Store in dry and cool place away from heat and sunlight. Once package is opened consume within reasonable time.

Shelf life:

24 months from the date of manufacturing

Health and Safety:

Refer to Safety Data Sheet