

TECHNICAL DATA SHEET

Effective date: 04.2019

Guar Gum

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Cyamopsis Tetragonoloba Gum
Botanical name	Cyamopsis tetragonoloba (L.) Taub.
Manufacturing process	It is a galactomannan polysaccharide extracted from guar beans. The guar seeds are mechanically dehusked, hydrated, milled and screened
Raw material category	Gelling agent, thickener
Part used	Seeds

TECHNICAL DATA

Physical parameters

Appearance	Solid, powder
Color	Off-white
Odor	Odorless
Solubility	Soluble in water, insoluble in oil and alcohol.
Moisture	Max 12 %
pH (1% M)	5.5 - 6.5
Gum content	Min 80 %
Protein	Max 5 %
Ash content	Max 1 %
Acid insoluble residue	Max 3 %
Starch	Negative
Fat	Max 0.8 %
Viscosity	After 2 Hours 5000 cps After 24 Hours > 5000 cps
Granulometry	Through 200 Mesh > 95

Biological parameters

Acrobic plate count	Max 3500 cfu/ g
Yeasts and molds	Max 500 cfu/ g
Coliforms	Absent/ g

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Escherichia coli	Absent/ g
Salmonella	Absent/ 25g

Contaminants

Arsenic	Max 3 ppm
Lead	Max 2 ppm
Mercury	Max 1 ppm
Cadmium	Max 1 ppm
Heavy metals (Pb)	Max 10 ppm

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in closed containers, keep dry and avoid humidity
Shelf Life	36 months, in closed packaging and the recommended conditions.
Custom tariff	-

LEGISLATION

Certification	-
EINECS	232-536-8
CAS	9000-30-0

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