



DURGA ENTERPRISES

(A GOVT. RECOGNISED EXPORT HOUSE)

PRODUCER & EXPORTERS OF GUAR GUM POWDER, REFINED SPLITS, GUAR MEAL & OTHER PRODUCTS

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SPECIFICATION OF GUAR GUM POWDER

MAHACOL-11 (100 Mesh / 3500-4000 Cps)

1) Definition:

- The gum of guar is extracted from Cyamopsis tetragonolobus seed endosperm.
- High molecular Weight
- Cold and hot water Soluble

Legal Status :

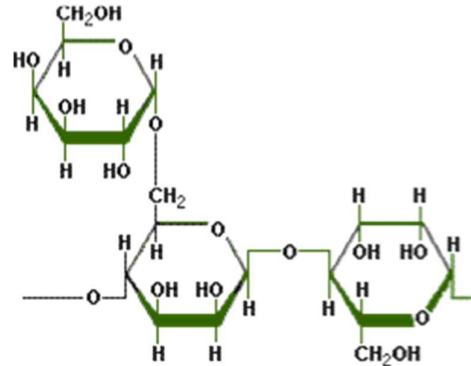
CAS NO :	9000-30-0
European Community	E 412
21 Code of Federal Regulation (US FDA)	184.1339
FEMA / GRAS NO	2537

Structure & Properties:

(1----4) linked beta----D mannose residues and the side chain of
(1----6) linked alpha----D galactose.

Function:

- Thickener
- Emulsifier
- Stabiliser
- Bonding Agent
- Gelling Agent
- Natural Fiber
- Fracturing Agent
- Moisture Retention Agent
- Sizing Agent
- Prevents ice crystal



Ingredient List

#	INGREDIENT	E no (for Additives)	Percentage of Use (%)	ORIGIN
1.	GUAR GUM	E 412	100	PLANT GUAR SEEDS (INDIAN ORIGIN)

This product does not contain any ingredient of animal origin.

Revision 2023-01

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NUTRITIONAL INFORMATION (Calculated per 100gm)

ENERGY VALUE (kj/kcal)	762/190	ADDED SUGARS (g)	0
CALORIES	306	TOTAL SUGARS (g)	0
CALORIES FROM FAT	5	PROTEIN (g)	4
TOTAL FAT (g)	0.5	SODIUM (mg)	32
SATURATED FAT (g)	0.15	VITAMIN A (1.U)	<100
TRANS FAT (g)	0	VITAMIN C (mg)	<22
CHOLESTEROL (mg)	0	CALCIUM (mg)	44
TOTAL CARBOHYDRATES (g)	85	IRON (mg)	1.6
DIETARY FIBRE (g)	85.9		

2) Characteristics:

Physicals and Chemicals with test Methods:

Appearance	Off White Powder	By observation
Particle size	Passing thru 100 Mesh	By Sieve
Texture	Fine powder soluble in water	Lab SOP
Solubility	Soluble in cold water	Lab SOP
Odour	Typical	Lab SOP
Moisture	12.00% Max.	IS : 10502:2018
Protein	06.00% Max.	IS : 7219 :1973 RA 2005
Ash	01.00% Max.	IS : 10502:2018
Acid Insoluble Matter	02.50% Max.	IS : 10502:2018
Gum Contain	80.00% Min.	IS : 10502:2018
pH	5.0 to 7.5	IS : 10502:2018
Starch	Absent	IS : 10502:2018
PCP	Less than 0.01mg/kg.	Lab SOP
Viscosity	1% sol Brookfield RVT, 20 RPM@ 25 C, Spindale No 4	
	02 Hrs	3500 Cps Min.
	24 Hrs	3500 Cps Min.

Microbiological:

Plate counts	Less than 5000/g.	IS : 5402:2012
Yeast & Moulds	Less than 500/g.	IS : 5403:1999 RA 2018
Salmonella	Negative/25 g.	IS : 5887 (P-3):1999 RA 2018
E. coli	Negative/g.	IS : 5887 (P-1):1976 RA 2018
Pseudomonas aeruginosa	Negative/g.	LAB SOP

Heavy Metals:

Lead	Less than 2 ppm	ICP-OES
Arsenic	Less than 3 ppm	ICP-OES
Cadmium	Less than 1 ppm	ICP-OES
Mercury	Less than 1 ppm	ICP-OES

3) **PACKAGE:** 25 Kg net HDPE poly woven paper bag with inside liner / big bags

4) **STORAGE:** Keep in dry and fresh place, sheltered from light.

5) **VALIDITY:** Twenty-Four Months after production in good storage.

- Each production lot/batch is only released when all of the tests comply with the specification.
- Each and every lot/batch is subjected to a strict quality control review in our laboratories and test report is developing to document the results.

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