



AGRI IMPEX

Manufacturer & Exporter of All Guar Products



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Guar Gum Splits



The guar gum splits is basically the endosperm part of the guar seed which is commercially extracted from the seeds by a mechanical process of cracking, roasting, differential attrition, sieving and polishing. The seeds are crack opened and the germ is separated from the endosperm. Two halves of the endosperm are obtained from each seed and the fine layer of fibrous material, which forms the husk, is removed and separated from the endosperm halves by the process of dehushing and polishing.

Our guar gum refined splits are derived from seeds and have high viscosity potential together with higher purity and gum. The splits are manufactured in the state of the art technology new plant equipped with abundant capacity silo storage infrastructure for raw materials, modern warehouse for finished products, Q. C. Lab manned by experienced technicians.

Our guar gum refined splits are available in Double Refined (DPS) and Triple Refined (TPS) specifications and packing size of 50 Kilo PP Bag / 1000 kilo super sack / 22000 kilo Container liner bag;

Features

- Longer shelf life
- Purity
- Effective result
- Accurate composition

Specifications	
Color	Pale-white
Gum Content	80-85%
Splits	92-98%
Mineral Matter (ASH)	1.5% max
Fiber	1.5 - 2.0 % max
Protein	5% Maximum
Ether Soluble Substances	0.6% Maximum
Acid insoluble ash (sand and/or silica)	Traces
Black Split	1% max
Heavy Metals	Nil
Appearance	Bright creamy yellow



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Guar Gum Powder

Guar Gum Powder (Fast Hydrating Guar or FHG) is an excellent gelling agent used in the hydraulic fracturing process in oil drilling industry. The product is ideally used to stimulate oil & gas well by fracturing the rock/shale formation through the pressurized liquid. The FHG perfectly suspends proppants or sand with water which when injected at high pressure create cracks in the deep-rock formations through which natural gas, petroleum, and brine will flow more freely. When the hydraulic pressure is removed from the well, small grains of hydraulic fracturing proppants (either sand or aluminium oxide) hold the fractures open.



FHG products are ideally suited for making low viscosity slurry and also for use DRY ON THE FLY. FHG cross links very well with all cross linkers and develops high viscosity at low concentration.

Features

- **Thickening agent:** Guar gum is a highly effective thickening agent that can increase the viscosity of a liquid.
- **Water-soluble:** It is easily soluble in cold or hot water, forming a highly viscous solution.
- **Stable in a wide pH range:** Guar gum is stable in a wide pH range, from acidic to alkaline.
- **Non-toxic:** It is non-toxic and generally considered safe for consumption.
- **High in fiber:** Guar gum is a good source of dietary fiber.
- **Film-forming:** It has film-forming properties, which makes it useful as a coating for various products.
- **Emulsifying:** It can act as an emulsifier, helping to stabilize emulsions.
- **Binding:** Guar gum can also act as a binding agent, helping to hold ingredients together in products such as baked goods.

Applications

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|-------------------|-------------------|---------------------|
| ● Food | ● Water Treatment | ● Tobacco Industry |
| ● Bakery | ● Mining | ● Textiles Industry |
| ● Petfood | ● Feed Industry | ● Oil Drilling |
| ● Pharmaceuticals | ● Nutraceuticals | |

FOOD GRADE GUAR GUM

INDUSTRIAL AND TECHNICAL GRADE

FAST HYDRATION GUAR GUM



Guar Korma

Guar Korma (HS Code: 11061010) is the residual product derived from the milling of guar seed (*Cymopsis Tetragonolobus*) and removal of guar gum and basically constitutes the germ part of the seed. The product is in granular form of size 2-3 mm and is an excellent cattlefeed having high protein content (exceeding 45%) with high protein solubility of >85% which significantly enhances the nutritional value of the feed.



Korma is used as the main raw ingredient in the production of feed for various animals such as cattle, fish, poultry, and swine. However, it is best suited for dairy cattle. This is so because of the good amount of nutrients, protein, amino acids, etc. guar korma meals provide to cattle. It is also highly digestible and improves the digestion of cattle. The amount of consumption of korma by cattle can also be increased by how well it is being accepted by their system. The presence of up to 10% of korma in animal feed is tolerated as safe for consumption.

Farmers previously used soya meals while preparing animal feed however that turned out to be rather expensive. Guar korma meals come at a very cost-effective price and prove to be an effective alternative to soya meals.

PACKAGING : Container Liner/Bulk (22 M.T.) Bags / Jumbo Bags (1000 kg) / Small Bag (50 kg)

Features

- Cost-effective
- Rich in protein (about 56.88% is retained) and carbohydrates.
- Composed of very low levels of digestive fibers and provide a high rate of digestibility.
- Contains the preferable amount of amino acids and other nutrients.
- Contains a higher percentage of energy content when compared to soya meals.

Specifications	
PROTIEN	44-48%
MOISTURE	8% MAX
SAND/SILICA	< 2.00%
OIL	3-5%
FIBRE	5-8%
AFFLATOXIN	< 20 pcb
COLOR	Greenish Brown
ENERGY	3000 -3500 Kcal/100 gm



Roasted Guar Korma

Roasted Guar Korma (HS Code: 11061010) is a specialized product which is developed by optimization of the roasting temperature to deactivate the Trypsin Inhibitor, is a type of serine protease inhibitor that reduces the biological activity of trypsin. Trypsin is an enzyme involved in the breakdown of many different proteins into amino acids, including as part of digestion in humans and other animals. The product has excellent high protein content exceeding 55% with improved protein solubility and digestibility by poultry and also by aqua animals.



Roasted guar korma has high protein content of >55% which is highly soluble and excellent digestibility in mono gastric animals like poultry and aqua animals. It is comparable to soybean meal in terms of nutritional content. For instance, the minimum crude protein percentage of guar meal is rated at 55% compared to 45% of soy bean meal. Its crude fiber is at 6% maximum, while that of soybean meal is at 3%. It has a minimum crude fat content of 5% versus 1% of soybean meal, and has a higher protein solubility of 93% than soybean meal with 78%.

The facility is state of the art and is accredited ISO 9001:2001 and HACCP quality assurance system. The Product is Non GMO certified and have negligible aflatoxin level below the detection limits commensurate with the European standard. The material shall be free from adulterants, musty, stale or other objectionable odor or sourness. The material shall be free from visible fungus, insect infestation and lumps. It shall be free from dirt and other extraneous matter including iron or other metallic pieces.

BENEFITS OF GUAR ROASTED KORMA

- Balanced and Desirable Amino Acid Profile
- Higher Protein Digestibility Index (>95%) and Less percentage of Digestive Fiber
- Higher Energy Content and Fat Percentage
- Absence of Pathogenic Bacteria
- Higher percentage of Crude Protein (>55%)
- Genetically Un-codified (Non-GMO), A 100% Natural Agricultural Product
- Lower percentage of less Digestible Fiber
- Most economical & easy to handle

APPLICATIONS

- Pet Food
- Fish Food
- Cattle Feeds
- Poultry Feeds
- Pig Feeds

PACKAGING

Container Liner/Bulk (22 M.T.) Bags / Jumbo Bags (1000 kg) /Small Bag (50 kg)

Specifications	Regular Guar Churi	Regular Guar meal Korma	Roasted Guar Korma
Form	Powder	Granular	Granular
Roasted	Yes	No	Yes
Crude Protein	32-36%	45-48%	52-56%
Moisture	10-12%	10-12%	4-8%
Fat	3-4%	4-5%	5-6%
Fiber	10-12%	10-12%	5-6%
Ash	5-7%	4-6%	1-2%
Sand - Silica	1-2%	1-2%	1-2%



Guar Churi

Guar churi is the residual product derived from the milling of guar seed (*Cymopsis Tetragonolobus*) and removal of guar gum and basically constitutes the germ and the hull part of the seed. The product is in form of coarse powder of appx 40 mesh size and is an excellent cattlefeed having protein content (exceeding 35%) which significantly enhances the nutritional value of the feed.



Churi is the powdered form of guar meals and is another by-product of guar seeds. It is used as a good binding agent for other raw materials in animal feed. It becomes free of E-coli, salmonella, and other infections after being processed. Consumption of guar churi meals can be considered safe when consumed about 4-7% by poultry, 5-7% by swine, and 5-12% by ruminants.

Churi retains about 35% of the protein content and can be considered one of the most nutritious ingredients for animal feed. As it is produced without the influence of any chemicals or preservatives it is a complete agricultural product. This makes it a safe ingredient that can be used in the animal feed industry freely.

PACKAGING : Container Liner/Bulk (22 M.T.) Bags / Jumbo Bags (1000 kilo) /Small Bag (50 Kilo)

Features

- Rich nutritional value
- Purity
- Effectiveness
- Long shelf life

Specifications	
APPEARANCE	White Fine Powder
MOISTURE	6.00 - 7.50%
ASH	4.00 - 5.00%
PROTEIN	38.00 - 40.00%
FAT	5.00 - 7.00%
FIBER	7.00%
SILICA	0.00 - 1.50%