

# Gum Technology

Hydrocolloids & Stabilizing Systems

Coyote  
BRAND

# Fenugreek Gum

Fenugreek Gum is a hydrocolloid extracted from the seeds of the fenugreek plant, *Trigonella Foenum-Graecum*.

Fenugreek Gum is a purified galactomannan and non gelling hydrocolloid, which is soluble in cold water. Fenugreek Gum solutions exhibit pseudoplastic behavior under high shear conditions. In comparison with other galactomannans, Fenugreek Gum hydrates and thickens faster and is more efficient at stabilizing oil in water emulsions. It is also tolerant to pH extremes. This all natural gum is also used in baked goods to bind moisture, reduce staling, add texture, provide freeze/thaw stability, and to increase fiber content.

Studies have shown that fenugreek fiber reduces LDL and increases HDL cholesterol. Fenugreek Gum's bioactive plant component frees amino acids to stimulate insulin secretion, which can limit glucose elevation. Fenugreek Gum contains 85% total dietary fiber (75% soluble fiber and 10% insoluble fiber).

Fenugreek Gum reacts synergistically with Xanthan Gum to provide higher viscosity, suspension and emulsion stabilization, which makes it a great option for dressings.

Fenugreek seeds have been used for centuries as a food ingredient and in folk plant medicine. Self-Affirmed GRAS status as per expert panel for Fenugreek Galactomannan in 2007. Full GRAS FDA notification pending.

All Natural

Increases Fiber Content

Binds Moisture

Adds Texture

Reduces Staling

Increases Freeze/Thaw Stability

Kosher Certified

Fenugreek Applications	Function	Usage Levels
Baked goods & breads	Provides texture, retains moisture	0.15 – 0.45 %
Gravies & soups	Adds viscosity and suspension	0.20 – 0.50 %
Dressings, sauces & dips	Adds viscosity, suspension & stabilizes emulsions	0.20 – 0.50 %
Beverages	Adds viscosity and suspension	0.10 – 0.25 %
Frozen products	Increases freeze/thaw stability	0.05 – 0.45 %
Nutritional bars	Retains moisture	0.05 – 0.25 %
Meal replacement systems	Adds texture	0.05 – 0.50 %
Nutritional beverages	Adds viscosity, suspension & mouthfeel	0.05 – 0.40 %



Our Gums are Good.™

The information and/or suggestions presented on this product are the results of the testing and observations carried out in our laboratories, and we believe them to be accurate as expressed. Because we cannot anticipate the many conditions under which this information may be used, we offer this information as a guideline only to assist our customers in the use of our products, and to help them determine the applicability of the product to their formulation(s). It is the responsibility of the customer to determine the usefulness, regulatory status and legality of our product in the customer's application and the customer assumes all responsibility for loss or damage arising from the use of our products.

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