

# A. Barbagallo Di Mauro

dal 1911

FIUMEFREDDO DI SICILIA



CAROB GUM E-410

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## TECHNICAL SHEET

*PETFOOD Grade*

**Description:** Carob gum petfood grade is a milled powder cream to brown coloured, for use in wet petfood (can, pouch, Tetra pack, Chub pack). 100% GMO free the material is manufactured from seed of the naturally occurring *Ceratonia siliqua* tree growing in the Mediterranean area.

**Process:** The process is based on removal of the germ and a proportion of the peel from the seed following by grinding, sieving and blending of the gum containing endosperm part of the seed.

**Use:** In wet petfood, locust bean gum is typically used in combination with carrageenan (semi-refined) to produce the gel texture and jelly characteristics of chunks-in-jelly, loaf and paté products.

**Quality control:** Locust bean gum is produced to formalised, written process and quality control procedures. A key quality parameter for gelling functionality is measurement of gel strength using a defined laboratory method.

By comparison with the gel strength of a quality agreed with the customer, a Break Force Index (BFI) can be calculated. BFI measurement and control provides an effective, control measure ensuring the product matches an agreed specification on an on-going basis.

<b>Specification</b>	Moisture	8 – 12 %
	BFI (measure of gel strength)	0.9 – 1.1
	Viscosity	< 400 cP
	Protein	< 17 %
	Particle size	100 % < 0.5 mm.

*Packaging and storage: 25 Kg. net polyethylene lined paper bag. Store away from heat and moisture, preferably at temperature < 15° C and at about 65% relative umidity: The product stored at mentioned conditions in its unopened bags will maintain initial properties at least 18 mounths.*

