



Natural
sugars

Low
glycemic
index

High
dietary
fiber

Antioxidant
polyphenols

Low fat

Intensive
aroma

Stimulants
free

GMO free

Gluten
free

Free
from
allergens

Cost
effective





CARUMA® is a natural food ingredient 100% carob. It consists in flour obtained by deseeding carob pods, roasting and milling.

APPLICATIONS :

- Food, aromas, cosmetics, nutraceuticals and pharmaceuticals.

PROPRIETIES :

- **CARUMA®** Contains antioxidant polyphenols.
- **CARUMA®** High level of dietary fiber. A research reveals that carob has a positive effect on cholesterol metabolism and potential regulation on blood glucose levels. It also improves digestion and treats diarrhea.
- **CARUMA®** Rich in potassium and calcium.
- **CARUMA®** Low in sodium.

USAGE :

- Substitute of cocoa
- Infusions
- Roasted coffee
- Natural aroma and food color
- Ice cream and yogurt
- Bakery
- Tobacco industry
- Pastry and Confectionery



CARUMA SPECIFICATIONS :

	Nutritional parameters		
	CARUMA 30	CARUMA 45	CARUMA 60
Granulometry	98 % < 75 microns		
Specific weight	550kg/m ³		
Moisture	<4 %		
Water Activity	<0,25		
pH	5 - 6		
Ash	<4 %		
Total Brut Protein	<6 %		
Total Fat	<1 %	<1,5 %	<1,5 %
Total Sugars	≈40 %	≈28 %	≈15 %
Reducing Sugars	≈11 %	≈10 %	≈5 %
Dietary Fiber	≈40 %	≈46 %	≈60 %
Solubility in Water	50-60 %	40-50 %	20-30 %
Energy Value (Kcal/100g)	280Kcal - 1180Kj	240Kcal - 1005Kj	220Kcal - 915Kj

Microbiological specifications	
Total Plate Count <10 ³ ufc/g	Salmonella (in 25g) Absent
Moulds and yeasts <3x10 ² ufc/g	E. coli (in 1g) Absent

Chemical contaminants	
Parameter	Rejection threshold
Lead	<0,20mg/kg
Cadmium	<0,10mg/kg

Allergen and GMO status	
Allergen status / EU regulation	Exempt from allergens
GMO status	No GMO



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CERTIFICATIONS :



PACKING :

25Kg Multilayer paper bag, inner polyethylene bag.

SHELF LIFE : 18 months