



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 <sup>3</sup>		
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 <sup>3</sup> ufc/g	Salmonella (in 25g) Absent
Moulds and yeasts <3x10 <sup>2</sup> 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



**Boublenza Sarl**  
 Rue Bouabderrahmane,  
 Faubourg Agadir, 13000 Tlemcen, Algeria.  
**Phone :** +213 (0) 40 91.06.91  
**Fax :** +213 (0) 43 27.38.92  
**Mail :** contact@carob-powder.com  
**Web :** www.carob-powder.com

### CERTIFICATIONS :



### PACKING :

25Kg Multilayer paper bag, inner polyethylene bag.

**SHELF LIFE :** 18 months