



TECHNICAL DATA SHEET

DESCRIPTION:

It is obtained by aqueous alkaline treatment of the natural strains of seaweed of the class Rhodophyceae (red seaweeds) to remove impurities and by fresh water washing and drying to obtain the product. Further purification may be achieved by washing and drying. The product consists chiefly of the potassium salts of polysaccharide sulphate esters which, on hydrolysis, yield galactose and 3,6-anhydrogalactose. Sodium, calcium and magnesium salts of the polysaccharide sulphate esters are present in less amount. Up to 15% algal cellulose is also present in the product. The carrageenan in processed eucheuma seaweed shall not be hydrolyzed or otherwise chemically degraded.

PRODUCT NAME

CARRAGEENAN

RAW MATERIAL

Eucheuma Cottonii

APPLIED IN

Dairy, meat products, beverage, ice cream etc

PRODUCT CODE

BLK2120

FUNCTIONS

Gelling agent, stabilizer, thickener

SHELF LIFE

18 months

USAGE

1. Blend with other gums or directly used in the production process of end-products;
2. It's suggested to mix with other ingredients, such as sugar, then disperse into cold water, to avoid agglomerate;
3. Usage amount depends on the actual demand in production process.

TECHNICAL PARAMETERS

Appearance	Yellowish to yellow flowing powder
Particle Size	90% pass 120 mesh
Sulphate (count by SO ₄ ²⁻ , %)	15-40
Loss on Drying (%)	≤10
Total Ash Content (%)	15-40
Viscosity (mPa.s)	≥5.0
Gel Strength (Kcl, g/cm ²)	≥500
Acid-insoluble ash (%)	≤1.0
PH level	8.0-11.0
Arsenic (mg/kg)	≤3.0
Lead (mg/kg)	≤5.0
Mercury (mg/kg)	≤1.0
Cadmium (mg/kg)	≤2.0
Total Plate Count (CFU/g)	≤5,000
Yeast & Moulds (CFU/g)	≤300
E. coli	Absent in 5g
Salmonella	Absent in 10g

LEGAL BASIS

E 407a / JECFA

NET WEIGHT

25.00 KG

PACKAGE MATERIAL

Outer: Kraft paper bag

Inner: PE bag, food grade

VERSION

December 11, 2015

MARKETING & SALES CENTRE:

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