



TECHNICAL DATA SHEET

DESCRIPTION:

Carrageenan is obtained by aqueous extraction of natural strains of seaweeds of Gigartinales, Solieriaceae, Hypneaceae and Furcellariaceae, families of the class Rhodophyceae (red seaweeds). No organic precipitant shall be used other than methanol, ethanol and propane-2-ol. Carrageenan consists chiefly of the potassium, sodium, magnesium and calcium salts of polysaccharide sulphate esters which, on hydrolysis, yield galactose and 3,6-anhydrogalactose. Carrageenan shall not be hydrolysed or otherwise chemically degraded. Through scientific extraction, it has been widely used in food, medicine, personal care chemicals and so on.

PRODUCT NAME

CARRAGEENAN

RAW MATERIAL

Euचेuma Cottonii

APPLIED IN

Dairy, Jelly, soft candies, meat products, beverage, capsule etc.

PRODUCT CODE

BLK1120

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 white flowing powder
Particle Size	90% pass 120 mesh
Sulphate (count by SO ₄ ²⁻ , %)	15-40
Loss on Drying (%)	≤12
Total Ash Content (%)	15-40
Viscosity (mPa.s)	≥5.0
Gel Strength (Kcl, g/cm ²)	≥1,300
Transparency (T%)	≥70
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 407 / JECFA

NET WEIGHT

25.00 KG

PACKAGE MATERIAL

Outer: Kraft paper bag

Inner: PE bag, food grade

VERSION

December 22, 2015

MARKETING & SALES CENTRE:

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