

Ticalose® CMC 15 F Fine Powder

38510916

Ticalose® CMC 15 F is a low viscosity, fine mesh sodium carboxymethylcellulose derived from cellulose. It is soluble in both cold or hot water, stable over a pH range of 4.0-10.0, and compatible with a wide range of other food ingredients, such as proteins, sugars, and other hydrocolloids. It controls texture and ice crystal growth in frozen dairy products. It also retains moisture, making it a valuable asset in many bakery applications and low calorie formulations.

Chemical and Physical Properties

| | Min. | Max. | |
|---------------------------------|---------------------|------|-----|
| Flavor (Typical) | Bland | - | |
| Moisture (Infrared) | 0 | 10 | % |
| Odor (Typical) | Odorless | - | |
| pH (viscosity solution) | 6.5 | 8.5 | pH |
| Powder Color (Visual) | Off White-Tan | - | |
| Texture (Qualitative) | Free Flowing Powder | - | |
| Viscosity (2.0%, LV@30rpm, 25C) | 25 | 100 | cps |

Microbiological

| | Min. | Max. | |
|-------------------------------|-------------|------|--|
| Aerobic Plate Count (Typical) | < 500 cfu/g | - | |
| E. coli (AOAC 988.19) | <3 MPN | /g | |
| S. aureus (Typical) | <10 cfu | lg | |
| Salmonella (Typical) | Negative | - | |
| Total Coliforms (AOAC 966.24) | <3 MPN | /g | |
| Yeast and Mold (Typical) | < 200/g | - | |

Screen Test

| | Min. | Max. | |
|----------------------|------|------|---|
| USS#200 Mesh Through | 75 | 100 | % |
| USS#60 Mesh On | 0 | 5 | % |

Standard

| | Min. | Max. | |
|----------------------------------|------|------|----|
| CMC Degree of Substitution (FCC) | 0.65 | 0.95 | DS |
| Sodium CMC Assay (FCC) | 99.5 | 99.9 | % |

Certification

Kosher
Halal

Packaging and Storage

| | |
|--------------------|--|
| Standard Packing | 50# Bags, 2,000# per pallet |
| Storage & Handling | Each container is identified with the product name and lot number. Store in cool dry place for maximum shelf life. |

Shelf Life

Shelf-Life 2 years

Usage Levels

| | |
|---------------------|--|
| Typical Usage Level | 0.2% to 1.5% |
| Solubility | Cold Water Soluble |
| Suggested Uses | Dairy, Freeze/Thaw, Frozen Foods, Bakery |

Regulatory Data

| | |
|-------------------|-----------------------------|
| CAS # | 9004-32-4 |
| E # | 466 |
| HS Tariff # | 3912.31.0010 |
| Country of Origin | Product of USA and/or China |
| GMO Status | NGMO |
| USDA (BE) Status | Not BE |

| | |
|-------------------|-----------------|
| United States | |
| FDA Regulation | 21 CFR 182.1745 |
| Label Declaration | Cellulose gum |

Nutritional Data/100g

| | |
|---------------------------|---------|
| Calories | 150.00 |
| Total Fat (g) | 0.00 |
| Saturated Fat (g) | 0.00 |
| Trans Fat (g) | 0.00 |
| Monounsaturated Fat (g) | 0.00 |
| Polyunsaturated Fat (g) | 0.00 |
| Cholesterol (mg) | 0.00 |
| Total Carbohydrates (g) | 75.00 |
| Dietary Fiber (2016) (g) | 0.00 |
| Total Sugars (g) | 0.00 |
| Includes Added Sugars (g) | 0.00 |
| Protein (g) | 0.00 |
| Water (g) | 7.00 |
| Ash (g) | 18.00 |
| Vitamin A (IU) | 0.00 |
| Vitamin D (mcg) | 0.00 |
| Vitamin C (mg) | 0.00 |
| Sodium (mg) | 7800.00 |
| Calcium (mg) | 8.00 |
| Iron (mg) | 1.00 |
| Potassium (mg) | 4.00 |

Disclaimer: Data is obtained from analytical and calculated values and is reported on an "as is" basis. In accordance with the 2016 Nutrition Facts Label regulations all 'non-digestible carbohydrates' (NDC's) have been calculated as 2 kCal / gram, opposed to 4 kCal.

Date Updated: April 21, 2023

Next Review Date: October 17, 2025

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5 Westbrook Corporate Ctr. 1600 – 90 Burnhamthorpe Rd.,
Westchester, Illinois 60154 West Mississauga, Ontario L5B
U.S.A. 0H9 Canada
708.551.2600 905.281.7950