



## TICALOID ULTRASMOT POWDER

Ticaloid® ULTRASMOT Powder is a system of hydrocolloids recommended for instant beverages and meal replacers. Ticaloid® ULTRASMOT Powder is designed to provide suspension, viscosity and stability and improve texture by reducing the awareness of particulates associated with insoluble protein or fiber in finished food applications. It is cold water soluble for use in instant applications.

For a Non-GMO option, Ticaloid® Ultrasmooth NGMO Original is available. For an unmodified and Non-GMO option, Ticaloid® ULTRASMOT CL is available. For an unmodified and Organic Compliant option, Ticaloid® OG Ultrasmooth CL is available.

**Chemical and Physical Properties**

	Min.	Max.	
Flavor (Typical)	Bland	-	
Moisture (Infrared)	0	15	%
Odor (Typical)	Odorless	-	
pH (viscosity solution)	6	8	pH
Powder Color (Visual)	Off White	-	
Texture (Qualitative)	Free Flowing Powder	-	
Viscosity (1.0%,RV@20rpm,25C)	900	1900	cps

**Microbiological**

	Min.	Max.	
Aerobic Plate Count (AOAC 988.18, 2.5g)	0	5000	cfu
Combined Yeast and Mold (BAM)	0	200	/g
E. coli (AOAC 988.19)	<3 MPN		/g
S. aureus (BAM)	<10 cfu		/g
Salmonella - 375g (AOAC 2013.01 )	Negative /375g	-	
Total Coliforms (AOAC 966.24)	<3 MPN		/g

**Screen Test**

	Min.	Max.	
USS#140 Mesh On	0	16	%

**Nutritional Data/100g**

Calories	162.34
Total Fat (g)	0.09
Saturated Fat (g)	0.02
Trans Fat (g)	0.00
Monounsaturated Fat (g)	0.00
Polyunsaturated Fat (g)	0.00
Cholesterol (mg)	0.00
Total Carbohydrates (g)	77.89
Dietary Fiber (2016) (g)	0.00
Total Sugars (g)	0.98
Includes Added Sugars (g)	0.00
Protein (g)	1.44
Water (g)	9.25
Ash (g)	11.33
Vitamin A (IU)	0.00
Vitamin D (mcg)	0.00
Vitamin C (mg)	0.00
Sodium (mg)	7422.70
Calcium (mg)	86.59
Iron (mg)	1.05
Potassium (mg)	238.45

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

**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
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**Usage Levels**

Typical Usage Level	0.1% to 0.4%
Solubility	Cold Water Soluble
Suggested Uses	Meal Replacer, Suspension, Rice Drink, Soy Based Drink, Functional Foods, Iced Coffee Powder, Sports Nutrition, Sports Powders, Hot Chocolate Mixes, Coffee Powder Mixes

**Regulatory Data**

CAS #	9004-32-4, 11138-66-2, 9000-07-1
E #	466, 415, 407
HS Tariff #	2106.90.9998
Country of Origin	Made in USA from domestic and/or imported ingredients
USDA (BE) Status	Bio-Engineered
United States	
FDA Regulation	21 CFR 182.1745, 172.695, 172.620
Label Declaration	Cellulose Gum, Xanthan Gum, Carrageenan

Date Updated: November 23, 2022

Next Review Date: November 23, 2025

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