

NATIONAL™ 465 06863108

NATIONAL™ 465 modified food starch is derived from waxy maize. It is a highly versatile starch characterized by excellent cold temperature storage stability and a smooth, creamy texture. It is recommended for use in high pH foods (such as cream products) as well as acid containing foods.

Chemical and Physical Properties

	Min.	Max.
Moisture, %	-	13.0
pH (20% w/w slurry)	4.8	6.7
Viscosity (CML-M105)		
End, MVU	350	650

Physical Appearance	Typical
Color	White to Off-White
Form	Fine Powder

Screen Test	Typical
% thru U.S.S. #100	>95
% thru U.S.S. #200	>85

Microbiological Limits

Initial testing is done on a single composite sample against a limit of m. If result is above m, the three class sampling and acceptance below is used.

	n	C	m	M
Total Plate Count/g	5	3	10,000 100,000	
Yeast/g	5	3	200	1,000
Mold/g	5	3	200	1,000
Enterobacteriaceae	5	3	100	1,000

Where n = # of samples tested; c = maximum allowable number of results between m and M; m = upper target limit; M = maximum acceptable value.

E. coli	Negative
Salmonella	Negative
Meets NFPA specification for thermophilic bacteria	

Nutritional Data/100 g	Typical
Calories	355
Calories from fat	0
Total Fat, g	<0.1*
Cholesterol, mg	0
Sodium, mg	167
Total Carbohydrate, g	88.5
Dietary Fiber, g	0
Total Sugars, g	0
Added Sugars, g	0
Other Carbohydrate, g	88.5
Protein, g	0.1
Vitamin D, mcg	0
Calcium mg	<4*
Iron, mg	<0.4*
Potassium, mg	<20*
Ash, g	0.3

^{*} Not present at level of quantification.

Certification

Kosher pareve Halal

Packaging and Storage

NATIONAL™ 465 modified starch is packaged in multi ply kraft paper bags with a net weight of 50lbs. NATIONAL™ 465 modified starch should be stored in a clean, dry area at ambient temperature and away from heavily aromatic material.

Shelf Life

The best before date for NATIONAL™ 465 is 24 months from the date of manufacture.

Regulatory Data

Source Waxy Maize

United States

Meets FCC (Food Chemical Codex) requirements. Labeling Food Starch-Modified

Canada

B.16.100 Table XIII CFDA Regulation Modified Corn Starch Labeling

Features and Benefits

NATIONAL™ 465 modified starch will develop a smooth, short texture when it is fully cooked in an aqueous system. It has good resistance to heat, acid, and shear conditions as well as excellent cold temperature storage stability that enables it to be used in many refrigerated and frozen foods.

Effective Date: April 11, 2023

Next Review Date: April 11, 2026

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Westchester, Illinois 60154 U.S.A. 708 551 2600

5 Westbrook Corporate Ctr. 1600 - 90 Burnhamthorpe Rd., West Mississauga, Ontario L5B 0H9 Canada 905.281.7950

www.ingredion.us

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