



NOVATION® PRIMA 350 3443 1A00

NOVATION® PRIMA 350 functional native starch is a cold water swelling (CWS) waxy corn starch designed for systems with stringent dispersion requirements. It possesses superior sheen, smoothness, process tolerance and cold temperature stability when compared to traditional pregelatinized native starches. NOVATION® PRIMA 350 functional native starch is made by a revolutionary technology that results in properties similar to modified CWS starches while meeting clean labeling criteria. This product is produced under Ingredion Incorporated's TRUETRACE® Identity Preserved Program for non-GM products.

Chemical and Physical Properties

	Min.	Max.
Moisture, %	-	9.0
pH (10% w/w slurry)	5.0	6.5
	Min.	Max.
Viscosity (CML-M505)		
15 min, MVU	400	800
End, MVU	500	900

Physical Appearance

	Typical
Color	White to Off-White
Form	Coarse Powder

Screen Test

	Max.
% thru U.S.S. #100	30
% thru U.S.S. #140	10

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	1,000	10,000
Yeast/g	5	3	200	1,000
Mold/g	5	3	200	1,000
Enterobacteriaceae	5	3	10	100

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

<i>E. coli</i>	Negative
<i>Salmonella</i>	Negative

Nutritional Data/100 g

	Typical
Calories	357
Total Fat, g	<0.1*
Cholesterol, mg	0
Sodium, mg	22
Total Carbohydrate, g	89.3
Dietary Fiber, g	0
Total Sugars, g	<0.1*
Added Sugars, g	0
Other Carbohydrate, g	89.3
Protein, g	<0.1*
Vitamin D, mcg	0
Calcium, mg	18
Potassium, mg	0.2
Ash, g	<20*
	0.1

* Not present at level of quantification.

Certification

Kosher pareve
Halal

Packaging and Storage

NOVATION® PRIMA 350 is packaged in multi ply kraft paper bags with a net weight of 25 kg/55 lbs. NOVATION® PRIMA 350 should be stored in a clean, dry area at ambient temperature and away from heavily aromatic material.

Shelf Life

The best before date for NOVATION® PRIMA 350 functional native starch is 24 months from the date of manufacture.

Regulatory Data

Source	Waxy Maize
CAS No.	9037-22-3

United States

Meets FCC (Food Chemical Codex) requirements.
Labeling: Corn Starch

Canada

CFDA Regulation	B.13.011
Labeling	Corn Starch

Features and Benefits

NOVATION® PRIMA 350 is unique functional native starch that disperses easily in hot or cold water systems such as soups, sauces and gravies without lumping. It also provides excellent process tolerance and very good cold temperature stability in instant products that have a need for extended shelf life in cold temperature storage. NOVATION® PRIMA 350 is highly resistant to harsh processing conditions such as intense heating, high shear and low pH. Furthermore, the product imparts a smooth, short texture and rich creamy mouthfeel to prepared foods. Formulations using NOVATION® PRIMA 350 functional native starch were found to be brighter in flavor and have greater intensity when compared to the same systems formulated with other modified starches. This product is produced under Ingredion Incorporated's TRUETRACE® Identity Preserved Program for non-GM products.

Effective Date: May 21, 2024

Next Review Date: May 21, 2027

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