NOVATION[®] 3300 34131300

NOVATION® 3300 functional native starch is a tapioca based starch that is recommended for high temperature and shear food processing. It is ideally suited for use in dairy applications. Functional native starches are made with a revolutionary technology that gives properties similar to modified starches while meeting a clean labeling criterion. This product is produced under Ingredion Incorporated's TRUETRACE® Identify Preserved Program for non-GM products.

Chemical and Physical Properties		
	Min.	Max.
Moisture, %	-	15.0
pH (20% w/w slurry)	5.0	6.5
Viscosity (CML-M107P2)		
End, MVU	400	900
Physical Appearance	Off-White to	Typical
Form		Powder
Savoan Toot		T
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	С	m	Μ
Total Plate Count/g	5	3	3,500	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 tes	ted; c = ı	maximum allo	wable numbe	r of results
between m and M; m = uppe	er target	limit; M = ma	ximum accept	able value.

E. coli	Negative
Salmonella	Negative

Nutritional Data/100 g	Typical
Calories	359
Calories from fat	0
Total Fat, g	<0.1*
Cholesterol, mg	0
Sodium, mg	34
Total Carbohydrate, g	89.7
Dietary Fiber, g	0
Total Sugars, g	0
Added Sugars, g	0
Other Carbohydrate, g	89.7
Protein, g	<0.1*
Vitamin D, mcg	0
Calcium mg	41
Iron, mg	0.2
Potassium, mg	<20*
Ash, g	<0.1*
* Not present at level of quantification	

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Certification

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Packaging and Storage

NOVATION[®] 3300 functional native starch is packaged in multi ply Kraft paper bags with a net weight of 55 lbs. NOVATION® 3300 functional native 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 NOVATION® 3300 functional native starch is 24 months from the date of manufacture.

Regulatory Data

-	
Source	Tapioca
CAS No.	9005-25-8

United States

Meets FCC (Food Chemical Codex) requirements. Labeling Tapioca Starch

Canada

CFDA Regulation	Unstandardized Food
Labeling	Tapioca Starch

Features and Benefits

NOVATION® 3300 functional native starch has excellent process tolerance. It performs in food processes where traditional native starches cannot be used as a viscosities or stabilizers. As a tapioca-based product, NOVATION® 3300 functional native starch features a lower hot viscosity which can be an advantage when using processing equipment such as plate heat exchangers. NOVATION[®] 3300 functional native starch is compatible in the same food processes where modified starches are currently used. No special preparation or equipment is needed to use this starch. When NOVATION® 3300 functional native starch is cooked, it imparts a smooth short texture and sets to a tender gel upon cooling. Because the textural properties closely resemble modified starches, only minor adjustments in formulation are necessary to replace modified tapioca starches in most food systems.

This product is produced under Ingredion Incorporated's TRUETRACE® Identity Preserved Program for non-GM products.

Effective Date: September 14, 2020

Next Review Date: September 14, 2023

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