

dry area at

N-DULGE[®] CI 05730303

N-DULGE® C1 modified starch is derived from tapioca and is one of a family of dairy co-texturizers from Ingredion under the N-DULGE® product line. These co-texturizers provide the tools and flexibility for food product developers to create a range of creamy, rich and indulgent textures in dairy products that will drive customer preference and build brand equity. N-DULGE® C1 modified starch enhances the mouth-coating and organoleptic textural attributes of a product and contributes to a smooth, creamy and slightly flow-able product texture. This product is produced under Ingredion Incorporated's TRUETRACE® Identity Preserved Program for Non-GM products.

Chemical and Physical Properties			Certification	
2	Min.	Max.	Kosher pareve	
Moisture, %	-	14.0	Halal	
ρ H (20% w/w slurry)	5.0	7.5		
Viscosity (CML-M108)	0.0		Packaging and	Storago
Peak, MVU	480	820		d stand is a closed in multi-lu
End, MVU	100	300	kraft paper bags with a	pot weight of 55 lbs. N. D. II. CE®
			CL modified starch sho	wild be stored in a clean, dry area at
			ambient temperature a	nd away from heavily aromatic
Physical Appearance		Typical	material.	
Color	White to O	ff-White		
Form	Fine	Powder		
			Shelf Life	
Screen Test	Typical		The best before date for N-DULGE® CImodified starch is	
% thru USS #100		>95	24 months from the date of manufacture.	
% thru USS #200		>85		
			Regulatory Data	
			Source	Таріоса
Microbiological Limits		Max.		
Total Plate Count/g	10,000 United States			
Yeast/g		200	Meets FCC (Food Che	mical Codex) requirements.
Mold/g		200	Labeling	Food Starch-Modified
E. coli	1	Vegative	Canada	
Salmonella Negative			RIGIOO Table XIII	
Meets NFPA specification for thermophilic bacteria.		Labeling	Modified Tapioca Starch	
Nutritional Data/100 g		Typical		
		361	Ecotumos and D	on office
Calorios from fat		0	reatures and benefits	
		<0.1*	Adds moderate to a high degree of mouth coating and has	
Cholesterol mg		0	slow meltaway, reminiscent of caramel type products.	
Sodium mg		56	Minimizos superesis	
Total Carbohydrate, g		90.2	Resistant to acid, heat and high shear	
Dietary Fiber, g		<0. *	Excellent stability and shelf life	
Total Sugars, g		<0. *	Versatile cost effective texturizer	
Added Sugars, g		0	May replace some dair	v solids contributing to additional
Other Carbohydrate, g		90.2	cost savings	
Protein, g		<0. *	This product is produced under Ingradian Incorporated's	
Vitamin D, mcg		0	TRUETRACE® Identity Preserved Program for non-GM	
Calcium mg		46	products.	
Iron, mg		<0.4*	pi oducio.	
Potassium, mg		<20*		
Ash, g		0.2		
* Not present at level of quantification.				

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