



## NOVATION<sup>®</sup> Indulge 3920 functional native food starch

NOVATION<sup>®</sup> Indulge 3920 is a food starch refined from tapioca.

### Label Declaration Recommendation

Starch

Please note the botanical origin of starch only needs to be declared if starch contains gluten.

### EU Classification

Food Ingredient

### Storage and Handling

Store in a clean, dry, well-ventilated warehouse at ambient temperature and humidity, away from odorous materials.

### Shelf Life

24 months from date of manufacture if stored correctly. Best before dates printed on each bag.

### Safety Data

While not regarded as "Hazardous", food starches are fine organic powders and, as such, they can give rise to a nuisance dust which has the potential to cause a dust explosion. See Safety Data Sheet. This product has been produced in accordance with all relevant EU legislation and in compliance with the required EU standards for food safety and hygiene.

### Chemical and Physical Properties

	Min	Max	Unit
Moisture <i>as packed</i>	2	10	%
pH <i>10% aqueous suspension</i>	4.5	8.0	-
MVA Viscosity <i>95°C</i>	100	400	MVU
MVA Viscosity <i>30°C</i>	500	2300	MVU

### Physical Appearance

	Typical
Colour	white /creamy
Form	fine powder

### Microbiological Limits

	Max	Unit
TVC	10000	cfu / g
Yeast	200	cfu / g
Mould	200	cfu / g
E. coli	negative	per g
Salmonella	negative	per 25g

### Additional Information

**Contaminants** Complies with Regulation (EC) 1881/2006, as amended

**Pesticides** Complies with Regulation (EC) 396/2005, as amended

**Kosher Certificate** Yes

**Halal Certificate** Yes

**Sulfur Dioxide (SO<sub>2</sub>)** typical < 10 ppm

### Nutritional Data / 100 g

While this information is typical of the product it should not be considered a specification

	Typical	Unit
Energy	1555	kJ
	366	kcal
Fat	0.3	g
of which saturates	0	g
Carbohydrates	90.8	g
of which sugar	3.1	g
Fibre	0	g
Protein	0.1	g
Salt	0.5	g

### Heavy Metals

	Typical	Unit
Arsenic	1	ppm
Lead	1	ppm
Cadmium	0.05	ppm
Mercury	0.05	ppm

This document is issued on behalf of the Ingredion EMEA Company which is supplying the product. The Ingredion EMEA Companies are part of the Ingredion group of companies. The respective details of each of the Ingredion EMEA Companies are as follows:

**Ingredion UK Limited**  
 Ingredion House  
 Manchester Green  
 339 Styal Road  
 Manchester M22 5LW  
 England

P: +44 (0) 161 435 3200  
 F: +44 (0) 161 435 3300

Registered in England  
 No. 07315745

**Rafhan Maize Products Company Ltd**  
 Rakh Canal East Road  
 Faisalabad  
 Pakistan

P: +92 (0) 41 854 0121  
 F: +92 (0) 41 871 1016

Registration number  
 79 of 1952-1953

**Ingredion Germany GmbH**  
 Grüner Deich 110  
 20097 Hamburg  
 Germany

P: +49 (0) 40 23 91 50  
 F: +49 (0) 40 23 91 51 70

Amtsgericht Hamburg  
 HRB 105432

**Ingredion South Africa (Pty) Ltd**  
 Infinity Office Park, Suite 6, Block C,  
 2 Robin Close, Meyersdal, 1448,  
 Gauteng  
 RSA

P: +27 (0) 11 867 9260  
 F: +27 (0) 11 867 9271

Registration number  
 2010/013219/07