

## NOVATION® INDULGE 3620

**Description:** Food starch refined from Tapioca

**Appearance:** Fine white/creamy powder

**Label declaration recommendation:** Starch

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

**EU Classification:** Food Ingredient

**Packaging:** 25 kg Multiply Paper Sack

Bag labelling includes batch code and unique bag number, label declaration and best before date.

**Delivery Format:** 40 bags per pallet, stretch wrapped with bottom sheet.

Pallet types include: Wood and plastic, both 1200 x 1000 mm and Euro 1200 x 800 mm

Unit pallet weight: 1000 kg. Other pack sizes, big bags and bulk, may be available.

**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. This product has been produced in accordance with all relevant EU and in compliance with the required standards for food safety and hygiene. See Safety Data Sheet.

### SUPPLY SPECIFICATION (PHYSICAL & CHEMICAL DATA)

	Min	Max	Unit	Method
Moisture	-	15.0	%	max packed. CML-I16B
pH	5.0	7.0	-	CML-100A20
MVA Viscosity End	400		MVU	CML-M106P2

### SUPPLY SPECIFICATION (MICROBIOLOGICAL DATA)

International Committee for Microbiological Standards for Food (ICMSF) methodology

	M	Unit	Method
TVC	10000	per g	TP4100/CML261
Yeast	200	per g	TP4109/CML286Y
Mould	200	per g	TP4109/CML268M
E. coli	absent	per g	TP4122/CML263
Salmonella	absent	per 25g	TP4119/CML264

Effective Date: 04.06.2019

The information described above is offered solely for your consideration, investigation, and independent verification. It is up to you to decide whether and how to use this information. Ingredion Incorporated and the Ingredion group of companies make no warranty about the accuracy or completeness of the information contained above or the suitability of any of their products for your specific intended use. Furthermore, all express or implied warranties of noninfringement, merchantability, or fitness for a particular purpose are hereby disclaimed. Ingredion Incorporated and the Ingredion group of companies assume no responsibility for any liability or damages arising out of or relating to any of the foregoing.

The INGREDION mark and logo are trademarks of the Ingredion group of companies. All rights reserved. All contents copyright © 2015.

## TYPICAL DATA\*

	Value	Unit	Method
Ash	0.5	%	CML113: 575+/-25°C
<b>Nutritional Data</b>			
Energy	1663 / 391	kJ / kcal pro 100 g	Regulation (EU) 1169/2011
Fat	max 0.15	g / 100 g dry basis	CCl4 extraction
of which saturates	max 0.1	g / 100 g dry basis	CCl4 extraction
Carbohydrates	min 97	g / 100 g dry basis	calculation
of which sugar	0	g / 100 g dry basis	calculation
of which starch	min 97	g / 100 g dry basis	own analysis
Fibre	0	g / 100g	Regulation (EU) 1169/2011
Protein	max 0.5	g / 100 g dry basis	Kjeldahl
Salt	<500	mg / 100g	-
<b>Minerals</b>			
Calcium	5	mg / 100g dry basis	F.E.S/A.A.S
Magnesium	2	mg / 100g dry basis	F.E.S/A.A.S
Iron	0.1	mg / 100g dry basis is	F.E.S/A.A.S
Potassium	<0.1	mg / 100g dry basis	F.E.S/A.A.S
<b>Heavy Metals</b>			
Total Heavy Metals	10	mg/kg	survey
Arsenic	1	mg/kg	survey
Lead	1	mg/kg	survey
Cadmium	0.1	mg/kg	survey
Mercury	0.05	mg/kg	survey

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

## ADDITIONAL INFORMATION

<b>Contaminants</b>	Complies with Regulation (EC) 1881/2006, as amended
<b>Pesticides</b>	Complies with Regulation (EC) 396/2005, as amended
<b>Kosher Certificate</b>	yes
<b>Halal Certificate</b>	yes
<b>Preservative</b>	none used
<b>Sulfur Dioxide (SO<sub>2</sub>)</b>	typically < 10 ppm

Effective Date: 04.06.2019

The information described above is offered solely for your consideration, investigation, and independent verification. It is up to you to decide whether and how to use this information. Ingredion Incorporated and the Ingredion group of companies make no warranty about the accuracy or completeness of the information contained above or the suitability of any of their products for your specific intended use. Furthermore, all express or implied warranties of noninfringement, merchantability, or fitness for a particular purpose are hereby disclaimed. Ingredion Incorporated and the Ingredion group of companies assume no responsibility for any liability or damages arising out of or relating to any of the foregoing.

The INGREDION mark and logo are trademarks of the Ingredion group of companies. All rights reserved. All contents copyright © 2015.

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 5LV  
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

Effective Date: 04.06.2019

The information described above is offered solely for your consideration, investigation, and independent verification. It is up to you to decide whether and how to use this information. Ingredion Incorporated and the Ingredion group of companies make no warranty about the accuracy or completeness of the information contained above or the suitability of any of their products for your specific intended use. Furthermore, all express or implied warranties of noninfringement, merchantability, or fitness for a particular purpose are hereby disclaimed. Ingredion Incorporated and the Ingredion group of companies assume no responsibility for any liability or damages arising out of or relating to any of the foregoing.

The INGREDION mark and logo are trademarks of the Ingredion group of companies. All rights reserved. All contents copyright © 2015.