

## Tapioca Starch

<b>Product description</b>	Tapioca Starch
<b>Brand</b>	Windmill
<b>Website</b>	www.meelunie.com
<b>Appearance</b>	Fine white powder
<b>Country of origin</b>	Thailand
<b>Odour and taste</b>	Neutral
<b>Intended use</b>	Food applications
<b>Botanical origin</b>	<i>Manihot esculenta Crantz</i>
<b>Shelf life</b>	Best before date of 24 months after the manufacturing date.
<b>Storage conditions</b>	Store at room temperature, dry, and well-ventilated area in sound and well-closed packaging Do not ship or store along with odorous or toxic products. Minimize storage time to ensure stable moisture content. Keep away from heat.
<b>Batch number</b>	Ex.: 9076 190223 A60. 9076= customer code. 190223= prod. date. A60=purchase no.
<b>Variant number</b>	10-001278, 10-001282, 10-001284, 10-001564
<b>Certifications</b>	FSSC22000, Halal and Kosher

## Nutritional data

Value	Per 100 g
Carbohydrate	86 g
of which sugars	0.0 g
Protein	0.0 g
Fat	0.0 g
of which saturated	0.0 g
Dietary fiber	< 0.5 g
Salt	0.02 g
Energy	1477 kJ / 348 kcal

## Physical and chemical properties

Item	Value	Method
Starch content	> 85 %	EEC method
Moisture	< 13 %	Moisture balance determination
Ash	< 0.2 %	AOAC (2007) 923.03
pH	5.0 – 7.0	20% Solution
SO <sub>2</sub>	< 10 mg /kg	Rankine volumetric method
Top viscosity	> 700 BU	6% DS by Brabender
Whiteness	> 92 %	KETT C-130

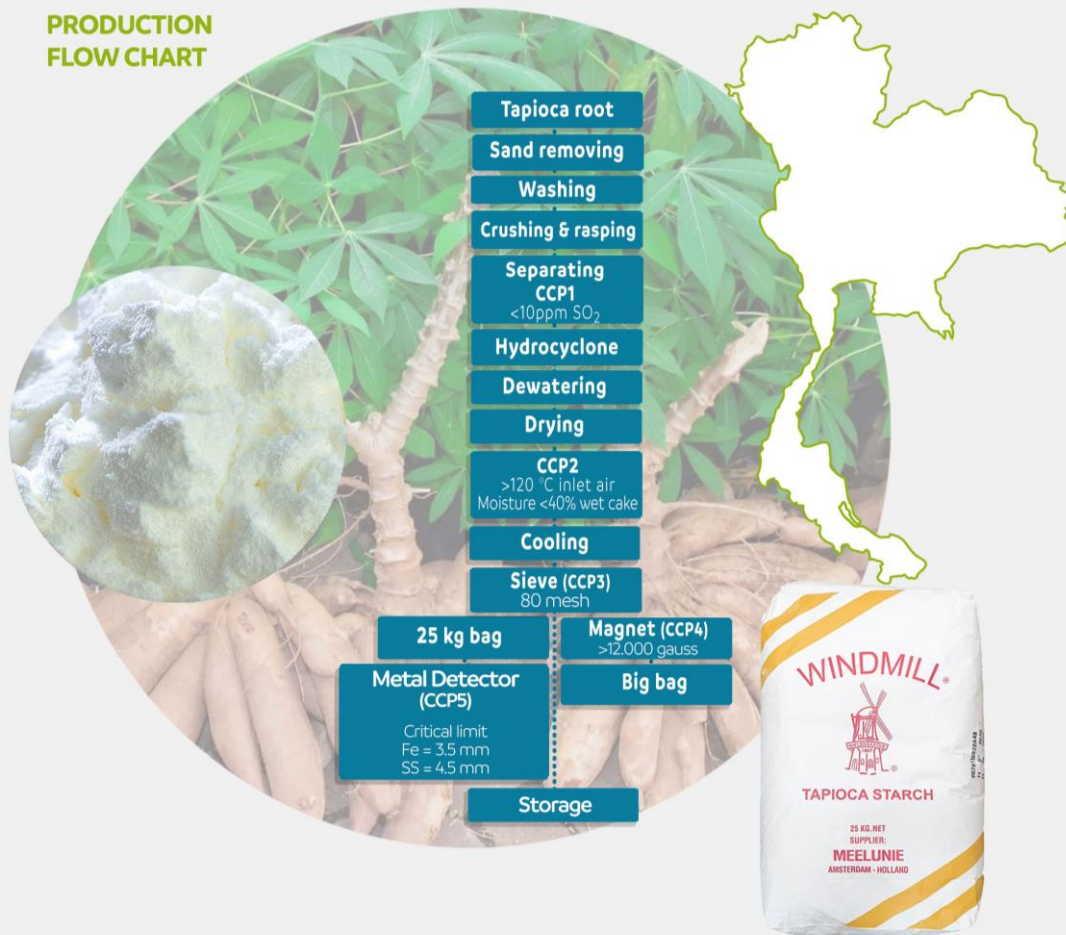
## Microbiological properties

Item	Value	Method
Total plate count	< 20.000 CFU/ g	3M Petrifilm
E. coli	< 3 MPN	BAM (2020), Chapter 4
Salmonella	Absent in 25 g	ISO 6579-1:2017(E)

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# TAPIOCA STARCH

## PRODUCTION FLOW CHART



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### Allergen list, contaminants & pesticides information

Potential allergen in food	Present in product as ingredient		Present in product as additive		Potentially present in product due to cross-contamination	
	YES	NO	YES	NO	YES	NO
Cereals containing gluten and products thereof		X		X		X
Crustaceans and products thereof		X		X		X
Molluscs and products thereof		X		X		X
Eggs and products thereof		X		X		X
Fish and products thereof		X		X		X
Peanuts and products thereof		X		X		X
Soybeans and products thereof		X		X		X
Lupin and products thereof		X		X		X
Milk and dairy products (including lactose)		X		X		X
Nuts and nut products		X		X		X
Celery and products thereof		X		X		X
Mustard and products thereof		X		X		X
Sesame seeds and products thereof		X		X		X
Sulfur dioxide and sulfites		X	X	< 10ppm		X

<b>Contaminants</b>	Meelunie BV performs annual testing to show compliance with applicable maximum levels with reference to Commission Regulation (EU) 2023/915 of 25 April 2023 and amendments thereof
<b>Pesticides</b>	Meelunie BV performs annual testing to show compliance with applicable maximum levels with reference to Regulation (EC) no. 396/2005 and amendments thereof
<b>Ionization</b>	This product is not treated with ionizing radiation (Directive 1999/2/EC and 1999/3/EC) and is not produced using ionized raw materials
<b>Non-GMO</b>	<p>This product is not genetically modified as defined in the following regulations:</p> <ul style="list-style-type: none"> <li>- Regulation (EC) No 1829/2003 of the European Parliament and of the council of 22 September 2003 on genetically modified food and feed;</li> <li>- Regulation (EC) no 1830/2003 of the European Parliament and of the council of 22 September 2003 concerning the traceability and labelling of genetically modified organisms and the traceability of food and feed products produced from modified organisms and amending Directive 2001/18/EC</li> </ul> <p>In the manufacturing process of this product no gene-modifying techniques, nor are the raw materials, ingredients or processing aids made with help of genetic modification are used, as far as our knowledge goes.</p>
<b>Packing &amp; Packaging</b>	Packaging complies with the EU Regulations (as amended) 1935/2004/EC, 2023/2006 (GMP) and 10/2011 (plastics) in 25kg paper bags or big bags
<b>Suitability</b>	<ul style="list-style-type: none"> <li>✓ Vegan</li> <li>✓ Vegetarian</li> <li>✓ Halal</li> <li>✓ Kosher</li> </ul>

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