

## PRODUCT INFORMATION

See also [www.organic.nl](http://www.organic.nl)

<b>Product</b>	<b>Manioc starch / tapioca starch</b>
<b>Code</b>	<b>50230</b>
<b>Country of agricultural origin</b>	<b>Thailand</b>
<b>Country of last processing</b>	<b>Thailand</b>
<b>Last update</b>	<b>29-04-2021</b>
<b>This product is</b>	<b>Organic and not genetically modified or irradiated</b>

<b>Production</b>	
<b>Ingredients</b>	<b>Manioc/tapioca</b>
<b>Additives</b>	<b>No additives</b>
<b>Process</b>	<b>Wash the roots, crashing, centrifugation, separation of water and starch by vacuum filter, drying, packing</b>

<b>Sensorial properties</b>	
<b>Smell</b>	<b>Neutral, product specific</b>
<b>Colour</b>	<b>White (whiteness max 93 kett model C 100-3)</b>
<b>Taste</b>	<b>Product specific</b>
<b>Appearance</b>	<b>Very fine powder</b>

<b>Packing</b>			
<b>Net content</b>	<b>25 kg</b>		
<b>Kind of packing</b>	<b>Multi layer paper bag</b>		
<b>Packing size (L x W x H)</b>	<b>76*40*15</b>		
<b>Packing/layer</b>	<b>3</b>	<b>Layers/pallet</b>	<b>10</b>

<b>Shelf life</b>	
<b>Storage conditions</b>	<b>Clean and dry, at ambient temperature.</b>
<b>Maximum shelf life</b>	<b>24 months after production</b>

Nutritional values (per 100 gram)		(from USDA Database)
<b>Energy</b>	<b>1498 KJ</b> <b>358 Kcal</b>	
<b>Protein (g)</b>	<b>0.2</b>	
<b>Fat (g)</b>	<b>0.02</b>	<b>Saturated: 0.01</b>
<b>Carbohydrates (g)</b>	<b>88.7</b>	<b>Sugars: 3.4</b>
<b>Dietary fibre (g)</b>	<b>0.9</b>	
<b>Salt (g)</b>	<b>0.003</b>	

Analytical properties	
<b>Moisture (%)</b>	<b>&lt; 13</b>
<b>pH</b>	<b>6.0 +/- 1.0</b>
<b>Ash (%)</b>	<b>&lt; 0.2</b>
<b>Foreign matter (%)</b>	<b>&lt; 0.2</b>
<b>Particle size (%)</b>	<b>&gt; 99</b>
<b>Viscosity (BU)</b>	<b>&gt; 550</b>
<b>Gel Temp. (°C)</b>	<b>&gt; 60</b>
<b>Starch content (%)</b>	<b>&gt; 85</b>

Microbiological Properties (indicative)	
<b>Total Plate Count (cfu/g)</b>	<b>&lt; 100.000</b>
<b>Yeast &amp; moulds (cfu/g)</b>	<b>&lt; 1.000</b>
<b>Bacillus Cereus (cfu/g)</b>	<b>&lt; 5.000</b>
<b>Coliforms (cfu/g)</b>	<b>&lt; 10</b>
<b>E.Coli (cfu/g)</b>	<b>&lt; 10</b>
<b>Salmonella (cfu/25g)</b>	<b>Absent</b>

Allergy list (+ = present, - = absent and * = possible cross contamination)			
Cow's milk protein	-	Walnut	-
Lactose or milk sugar	-	Cashew	-
(Chicken) egg	-	Pecan nut	-
Soya protein (-derivatives)	-	Brazil nut	-
Gluten	-	Macadamia or Queensland nut	-
Wheat	-	Pistachio nut	-
Peanuts/groundnuts (-derivatives)	-	Coconut	-
Sesame	-	Hickory nut or kola nut	-
Sesame-oil	-	Lichee nut	-
Celery	-	Pili nut	-
Mustard	-	Sheanut	-
Fish	-	Pine nut or pinon nut	-
Shell-fish	-	Beech nut	-
Mollusc	-	Butternut or pumpkin seed	-
Lupine	-	Chestnut	-
Sulfite E220-E228	-	Ginko nut	-
Nuts (-derivates)	-	Chinquapin	-
Almond	-		-
Hazelnut	-		-

Acceptable for:	
Vegetarians	Yes
Vegans	Yes
Lacto-vegetarians	Yes
Kosher-certified	Yes
Halal-certified	Yes
NOP-certified	Yes
Fairtrade IBD	No

Use	<b>Manioc starch/tapioca thickeners translucent. It is used in soups and porridges.</b>
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