

## PRODUCT INFORMATION

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

<b>Product</b>	<b>Manioc starch / Tapioca</b>
<b>Code</b>	<b>16201</b>
<b>Country of origin</b>	<b>Vietnam</b>
<b>Last update</b>	<b>19-12-2018</b>
<b>Date of Issue</b>	<b>14-07-2017</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</b>
<b>Taste</b>	<b>Product specific</b>
<b>Appearance</b>	<b>Fine Powder</b>

<b>Packing</b>	
<b>Net content</b>	<b>25 kg</b>
<b>Kind of packing</b>	<b>woven nylon bags</b>
<b>Packing size (L x W x H)</b>	<b>76 * 40 * 15</b>
<b>Pieces per pallet</b>	<b>40 (or 30 on EURO pallets)</b>

<b>Shelf life</b>	
<b>Storage conditions</b>	<b>Cool and dry in closed bags</b>
<b>Minimum shelf life</b>	<b>18 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>0.19</b>	
<b>Fat (g)</b>	<b>0.02</b>	<b>Saturated: 0.01</b>
<b>Carbohydrates (g)</b>	<b>88.70</b>	<b>Sugars: 3.35</b>
<b>Dietary fibre (g)</b>	<b>0.9</b>	
<b>Moisture (%)</b>	<b>&lt; 13</b>	
<b>Salt (g)</b>	<b>0.0025</b>	

Analytical properties	
<b>Ash (%)</b>	<b>&lt; 0.2</b>
<b>Starch (%)</b>	<b>&gt; 85</b>
<b>pH</b>	<b>4 – 7</b>
<b>Moisture content (%)</b>	<b>&lt; 13.0</b>
<b>Whiteness (%)</b>	<b>&gt; 92 (ISI 44 Minolta method)</b>

Microbiological Properties (indicative)	
<b>Total Plate Count (cfu/g)</b>	<b>&lt; 10.000</b>
<b>Yeast (cfu/g)</b>	<b>&lt; 100</b>
<b>Moulds (cfu/g)</b>	<b>&lt; 100</b>
<b>Staphylococcus aureus (cfu/g)</b>	<b>&lt; 10</b>
<b>B. Cereus (cfu/g)</b>	<b>&lt; 1.000</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	-	Peanuts/groundnuts (-derivatives)	-
Lactose or milk sugar	-	Peanutoil	-
(Chicken) egg	-	Sesame	-
Soya protein (-derivatives)	-	Sesame-oil	-
Soya oil	-	Glutamate added E620-E625	-
Gluten	-	Sulfite E220-E228	-
Wheat	-	Benzoic acid/Parabens E210-E213	-
Rye	-	Azo-colours E102, E110, E122, E123, E124, E128, E129, E151, E154, E155	-
Beef (-derivatives)	-	Tartrazine E102	-
Pork (-derivatives)	-	Cinnamon	-
Chicken (-derivatives)	-	Vanillin	-
Fish	-	Coriander	-
Shell-fish	-	Celery	-
Corn /Maize (-derivatives)	-	Umbelliferae	-
Cocoa	-	Carrot	-
Yeast	-	Lupine	-
Pulses	-	Mustard	-
Nuts (-derivates)	-	Mollusc (- derivates )	-
Nut-oil	-		

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

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