

SPOMIX E 1404

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 Valid from: 2013-02-01

Country of origin	POLAND				
Product description	Spomix is a product of oxidation and thermal treatment of potato starch. treatment of potato starch by cross-linking and acetylation process. The product is intended for food purposes.				
Product properties	Spomix is cold soluble and swellable product and well water binding. Often used as a texturing and gelling substance. It forms a transparent, soft, breakable, aerated gel of low viscosity and with reduced susceptibility to the process of retrogradation and syneresis.				
Application	Intended for thickening of foods products: soups, mayonnaise, and for making ice cream, cold made desserts (whipped cream, creams, puddings), to stabilize fillings for pastry, the jellies, fruit gums, lozenges. Spomix can also be used in the baking industry (improves workability and prevents the staling of bread). Also used as a partial replacement for gelatin or Arabic gum and as adhesive-binding agent.				
Physico-chemical requirements	Appearance: loose, very fine flakes without clusters and lumps				
	Taste and odour: neutral, free from foreign taste and odour				
	Colour: white to light creamy - coloured				
	pH: 5,5 – 7,0				
	Ash content: not more than 0,50 % in d.s.				
	SO ₂ content: not more than 10 mg/kg				
	Available Chlorine (Cl) content: impermissible				
	Sodium chloride (NaCl) content: not more than 0,30 %				
	Granulation – pass through the sieve of mesh side 0,16 mm: not less than 80 % 0,10 mm: not less than 60 %				
	Granulation – fines through the sieve of mesh side 0,12 mm: not less than 60 %				
	Harmful metals content: arsenic (As) – not more than: 0,50 mg/kg lead (Pb) – not more than: 0,50 mg/kg mercury (Hg) – not more than: 0,03 mg/kg cadmium (Cd) – not more than: 0,10 mg/kg				
Microbiological requirements	Type of microorganisms	n*	c*	Limit in 1 g	
				m*	M*
	Aerobic mesophilic organisms	5	2	10 000	100 000
	Coliforms	5	2	0 (0,1g)	0 (0,01g)
	Salmonella	5	0	0 (25g)	-
	Staphylococcus aureus	5	0	0 (0,1g)	-
Moulds and Yeasts	5	2	500	1000	
Allergens	Product is free from allergens.				
GMO	The product is not genetically modified, and has not been produced from genetically modified raw materials				
Pesticides	Pesticides are marked in potato starch that is a raw material in production of Spomix, and in which there is no residue of the tested active substances of plant protection higher than acceptable.				
Granulation	It is possible to grind the product and adjust product granulation to individual customer needs.				
Packing	Spomix is packed in a valve paper bag of a 15 kg net and a 25 kg net (ground Spomix). Other types of packing allowed by the NIH for packaging foods are possible after agreement with recipient.				

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Labelling	Packings are marked by label or overprint including following data: <input type="checkbox"/> name and address of the producer, <input type="checkbox"/> labelling of the product, <input type="checkbox"/> reference standard, <input type="checkbox"/> net weight in kg, <input type="checkbox"/> date of production, <input type="checkbox"/> batch No. (same as the date of production), <input type="checkbox"/> bag No., <input type="checkbox"/> shelf life.
Storage conditions	Recommended relative moisture of air: 60 – 75 %, temperature should not exceed 20°C.
Shelf life	It should meet the requirements for a period of at least 24 months from date of manufacture, under appropriate conditions of packaging, storage and transport.
Reference standard	ZN-09/ZETPEZET-01 and the currently applicable regulations of EU law and national law.

*M – accepted threshold value above which the results are disqualifying

*m – value equal to or below which all results are considered satisfactory

* n – number of samples in the batch

*c – number of samples from a batch giving the result between m and M

The information contained in the Product Specifications represents the best of our knowledge and experience of using a product and are not exhaustive. We have provided general guidelines of properties, usage and application of the product. This specification does not relieve user from compliance with all applicable laws, administrative regulations and health and safety.