



Integrated Quality Management System Document

Doc no.:

D27/P4

**Specification for  
FDS - CS  
modified starch**

Version:

05EN

Date of issue:

Feb. 02, 2009

Date of revision:

Mar. 14, 2018

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**Product description for FDS – CS modified starch****PRODUCT NAME:** FDS – CS modified starch**INS NUMBER:** E 1412**COUNTRY OF ORIGIN:** POLAND**FINAL PRODUCT DESCRIPTION:** Modified starch FDS - CS is E 1412 distarch phosphate. It is a starch cross-linked with sodium trimetaphosphate, intended for use in food products as a stabilizer and thickening agent. It does not degrade in acidic solutions with pH > 4.**ORGANOLEPTIC REQUIREMENTS:****ODOUR:** typical of potato starch, without a foreign odour**TASTE:** typical, without a foreign taste**COLOUR:** white, no darker than reference colour II, according to PN-93/A-7410**APPEARANCE, CONSISTENCY:** fine, loose powder**NUTRITION DECLARATION PER 100g PRODUCT:****VALUE ENERGY:** 1549 kJ/367 kcal**FAT:** < 0,1 g

- of which saturates: &lt; 0,1 g

**CARBOHYDRATES:** 91 g

- of which sugars: &lt; 0,5 g

**PROTEIN:** < 0,3 g**SALT:** < 0,1 g

The salt content is exclusively due to the presence of naturally occurring sodium.

**PHYSICAL AND CHEMICAL REQUIREMENTS:****MACROSCOPIC IMPURITIES (number of specs per 1 dm<sup>2</sup>):** no more than 80 (with acceptable tolerance of up to 20%)**MOISTURE CONTENT:** max. 12% (m/m)**pH:** 5.5 – 7.5**GRANULATION (residue on a 0,2 mm sieve, no more than % (m/m):** 7 %**ASH (on a dry basis):** no more than 1.0 % (m/m)**MINERALS (insoluble in a 10% hydrochloric acid solution, on a dry basis):** no more than 0.07% (m/m)**SULPHUR DIOXIDE:** no more than 10 mg/kg**HARMFUL METALS no more than (mg/kg):**

- ARSENIC 0,5

- LEAD 1,0

- MERCURY 0,1

**PHOSPHATE RESIDUE (as P, on a dry basis):** no more than 0,5%**Solubility in cold water:** soluble**MICROBIOLOGICAL REQUIREMENTS:****AEROBIC BACTERIA:** no more than 10 000 per 1 g



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**YEAST:** no more than 100 per 1 g

**MOULD:** no more than 500 per 1 g

**STAPHYLOCOCCUS AUREUS:** absent in 1 g

**ESCHERICHIA COLI:** absent in 1 g

**SALMONELLA RODS:** absent in 25g

**OTHER REQUIREMENTS:**

**INGREDIENTS:**

- distarch phosphate

**PACKAGING:**

- 4-layer ventilated paper bags (20 kg) or other bags, in accordance with the recipient's requirements

**STORAGE CONDITIONS:** Keep in a dry place. Dry, clean and airy rooms, free of foreign scents.

**MINIMUM SHELF-LIFE:** When stored in original packaging, in the conditions prescribed in the specification, FDS – CS retains its properties for at least 30 months.

**MINIMUM SHELF-LIFE DATE:** The date is preceded by the phrase "Best before the end of ..." and the year.

**BATCH NO.**

- indicated with the manufacture date and modification mark

**TRANSPORT REQUIREMENTS:** Clean and dry means of transport ensuring appropriate protection of packaging against damage and moisture. The product has not been classified as hazardous and is not the subject of the provisions of ADR regulations.

**GMO STATEMENT:** This product is not genetically modified and was manufactured using non-GMO ingredients.

**ALLERGEN STATEMENT:** This product does not contain any allergenic ingredients.

**DIRECTIONS FOR USE/PREPARATION FOR CONSUMPTION:**

Raw material for the food industry – ingredient of concentrated foods; used in the meat, baking and confectionery industries – raw material or additive for manufacture

**APPLICATION:** Used in the food industry as a thickener, binder and stabilizer.

**CONSUMPTION RESTRICTIONS:** None; modified starch can be consumed by persons of all denominations, vegans and vegetarians.

**LABEL TEMPLATE/PRODUCT MARKING:** The label with the inscription: "Modified starch FDS-CS, E 1412, for food", developed on the basis of applicable regulations, in accordance with the appendix or provisions contained in the contract.

	<b>Full name:</b>	<b>Position:</b>	<b>Date:</b>	<b>Signature:</b>
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