




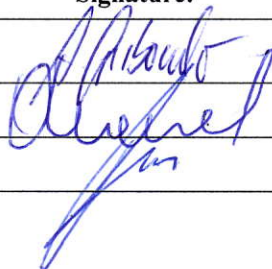
**Specification for
FAS - CS
modified starch**

Product description for FAS – CS modified starch	
PRODUCT NAME: FAS – CS modified starch	
INS NUMBER: E 1414	
COUNTRY OF ORIGIN: POLAND	
FINAL PRODUCT DESCRIPTION: FAS – CS modified starch is an E 1414 acetylated distarch phosphate. It is starch cross-linked with sodium trimetaphosphate and esterified with acetic anhydride, used as a stabilizer and thickener in food products. In aqueous solutions it forms thick, transparent mucilage with a short structure, characterized by high stability upon cooling-down and good resistance to changeable thermal conditions.	
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: < 0,1 g	
CARBOHYDRATES: 91 g - of which sugars: < 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 dm²): 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 0.14%	
VINYL ACETATE (on a dry basis): no more than 0.1 mg/kg	
ACETYL GROUPS (on a dry basis): no more than 2.5%	
Solubility in cold water: soluble	

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MICROBIOLOGICAL REQUIREMENTS:
AEROBIC BACTERIA: no more than 10 000 per 1 g
YEAST: no more than 100 per 1 g
MOULD: no more than 500 per 1 g
STAPHYLOCOCCUS AUREUS: absent in 0.1 gram
ESCHERICHIA COLI: absent in 0.1 g
SALMONELLA RODS: absent in 25g

OTHER REQUIREMENTS:
INGREDIENTS: - acetylated 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, FAS – 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: Label developed on the basis of the regulations in force, in accordance with the template included in the annex or contractual provisions.

	Full name:	Position:	Date:	Signature:
Prepared by:	Adam Grabowski	Quality Assurance Representative	Oct. 01, 2015	
Verified by:	Ryszard Oleaczek	Member of the Board	Oct. 02, 2015	
Approved by:	Pawel Pawlak	President of the Board	Oct. 02, 2015	