

**Product Specification**

#: SP-WP-173

**WHEY PROTEIN ISOLATE POWDER WPI 90 INSTANT**

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State: Applicable

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<b>Product name</b>	WHEY PROTEIN ISOLATE POWDER WPI 90 INSTANT
<b>Product description</b>	whey protein isolate in the form of easily soluble powder (instant)
<b>Raw material</b>	fresh whey obtained from sweet cheese production
<b>Ingredients</b>	whey protein isolate, lecithin (sunflower)
<b>PRODUCT CHARACTERISTICS</b>	
Appearance	free flowing powder, homogenous, finely atomized, small conglomerates easily crumbling - admissible
Colour	homogenous, creamy white to yellow
Taste and aroma	typical - proteinaceous, clean, free from off-odour and off-taste
Mechanical contaminations	absent, scorched particles – disc A , B - admissible
<b>QUALITY CHARACTERISTICS</b>	
Moisture	max. 6 %
Protein in dry matter	min. 90 %
Fat	max. 1,5%
Ash	max. 3,5%
Lactose	max. 2%
pH	6,0 - 7,0
Solubility index	max. 1,0 cm <sup>3</sup>
Antibiotics or inhibitory substances	absent
Total Plate Count cfu/g	30000
Salmonella	absent in 25 g, n=5 c=0
Listeria monocytogenes	absent in 25 g, n=5 c=0
Staphylococcus aureus in cfu/g	m=10 M=100, n=5 c=2
Enterobacteriaceae	m=M=10, n=5 c=0
Coliforms in cfu/g	m=0 M=10, n=5 c=2
Yeast and moulds in cfu/g	max. 100

n = number of tests,

m = threshold number of bacteria per gram below which product quality is satisfactory,

M = maximum number of bacteria per gram above which the quality of the product is unsatisfactory,

c = maximum number of results which may have values between m and M

<b>Packaging</b>	<b>direct package</b> – paper bags - 15.0 kg, 4-layer with polyethylene insert <b>palleting:</b> 825kg EURO pallets wrapped in stretch foil	
<b>Requirements concerning contaminants</b>	heavy metals, aflatoxines M1, pesticides – in accordance with applicable laws	
<b>Allergens</b>	milk (including lactose)	
<b>GMO statement</b>	product does not contain nor is produced with GMO or GMO sourced components	
<b>Labelling</b>	in accordance with applicable laws and UE regulations	
<b>Nutritional information per 100g</b>	Energy value Fat - including saturated fatty acids Carbohydrates - including sugars Protein Salt	1582kJ/373kcal 1,0 g 0,2 g 3,9 g 0,4 g 87 g 0,62g
<b>Storage conditions</b>	temp. ≤ 20°C, RH ≤ 75 %	
<b>Shelf life</b>	- bags 15kg - 24 months from production date	
<b>Transport</b>	vehicles protecting product against pollution, damage, moisture or other harmful atmospheric factors valid sanitary book of the vehicle required	
<b>Declaration of conformity</b>	Specification compliant with applicable laws	
<b>Contact data</b>	<b>e-mail: <a href="mailto:cheese@spomlek.pl">cheese@spomlek.pl</a>, tel.: +48 83 3511439</b>	