

	Product Specification	#: SP-WP-140
	WHEY PROTEIN CONCENTRATE POWDER WPC 80 INSTANT	Edition number: 18
		Edition date: 06.03.2023
		State: Applicable

Product name	Whey protein concentrate powder WPC 80 INSTANT	
Product description	whey protein concentrate in the form of an easily soluble powder	
Raw material	fresh whey obtained from sweet cheese production	
Ingredients	whey protein concentrate, emulsifier - lecithin (sunflower)	
Plant code	PL06151601WE	
Appearance	free flowing powder, homogenous, finely atomized, small conglomerates easily crumbling - admissible	
Colour	homogenous, creamy white to yellow	
Taste and aroma	specyfic - proteinaceous, clean, free from off-odour and off-taste	
Mechanical impurities	not allowed, scorched particles – disc A , B - admissible	
Physical-chemical characteristic		
	target	acceptable
Moisture (%)	max. 5,0	max. 6,5
Fat (%)	max. 6,0	max. 8,5
Protein in dry matter (%)	81	min. 80
Lactose (%)	max. 5,0	max. 6,0
Ash (%)	max. 3,0	max. 3,5
pH	6,5	6,0 - 7,0
Solubility index	0,2 cm ³	max. 0,5 cm ³
Antibiotics or inhibitory substances	absent	absent
Microbiological characteristic		
	target	acceptable
Total Plate Count in cfu/g	10 000	max. 30 000
Salmonella	absent in 25 g, n=5 c=0	absent in 25 g, n=5 c=0
Listeria monocytogenes	absent in 25 g, n=5 c=0	absent in 25 g, n=5 c=0
Staphylococcus aureus in cfu/g	m=M<10, n=5 c=0	m=10 M=100, n=5 c=2
Enterobacteriaceae in cfu/g	m=M<10, n=5 c=0	m=M=10, n=5 c=0
Coliforms in cfu/g	m=M<10, n=5 c=0	m=0 M=10, n=5 c=2
Yeast and moulds in cfu/g	max 50	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

Requirements concerning contaminants	heavy metals, aflatoxines M1, pesticides – in accordance with applicable laws	
Allergens	milk	
GMO statement	product does not contain GMO or GMO sourced components	
Packaging	direct package – paper bags 15.0 kg, 4-layer with z polyethylene insert	
Palleting	975kg 100 x 120 cm pallets wrapped in stretch foil	
Labelling	in accordance with applicable laws and UE regulations	
Nutritional information per 100g	Energy value	1715kJ/406kcal
	Fat	7,3 g
	- including saturated fatty acids	4,7 g
	Carbohydrates	10 g
	- including sugars	4,4 g
	Protein	75 g
	Salt	0,42 g
Storage conditions	temp. ≤ 20°C, RH ≤ 75 %. Shelf life: 24 months from production date	
Transport	means of transport protecting product against damage, moisture or other dangers. Valid sanitary book of the vehicle required	
Declaration of conformity	specification comply with applicable laws	