

## MILK PROTEIN CONCENTRATE POWDER (MPC 85)

General information	
Description	Milk protein concentrate is powder of total milk protein processed by ultrafiltration and spray drying process
Ingredients	<u>Milk</u> 100 % (EU)
Application	The milk protein powder can be used as an ingredient in manufacture of other foodstuffs
Organoleptic characteristics	
Colour	White creamy
Consistence	Dry fine powder, allowed individual lumps, easily delaminating with mechanical impact
Flavour and odour	Typical for milk protein concentrate powder, free of foreign taste or odour
Physical and chemical parameters	
Moisture (not more than), %	6
Fat (not more than), %	2
Protein (Nx6,38) (not less than), %	80
Protein in dry matter (not less than), %	84,2
Lactose, %	5,5 normally
Ash (not more than), %	8,5
pH (10 % / 20 °C)	6,7 – 7,0
Insolubility index (60 °C) (not more than), ml	1,0
Scorched particles, disc	A
Bulk density (625x), g/ml	400 – 550
Poured bulk density, g/ml	280 – 410
Heat stability	Yes
Inhibitory substances	Not detected
Pharmacologically active substances	Not exceeding the limits set in regulation (EC) No 37/2010
Combined total of residues of all substances	Not exceeding values fixed in regulations (EC) No 1881/2006, (EC) No 396/2005
Physical hazard	Not foreign impurities that may cause health risk to the consumer
Microbiological criteria	
Aerobic plate count, cfu/g	< 10 000
Coliforms, cfu/g	< 10
Yeast and mold, cfu/g	< 50
<i>Enterobacteriaceae</i> , cfu/g	< 10
<i>E. coli</i> , cfu/g	< 10
<i>L. monocytogenes</i> , 25 g	Not detected
<i>Salmonella</i> , 25 g	Not detected
Coagulase-positive staphylococci, cfu/g	< 10
<i>B. cereus</i> , cfu/g	< 10
GMO status	
Genetically modified organisms	Product does not contain GMO, is not produced from GMO and does not contain any ingredients, product from GMO
Allergens	

Milk and products thereof (including lactose)
<b>Packing</b>
Multiply paper bags with polyethylene liner 20 kg net
<b>Storage conditions and shelf life</b>
From the date of production at a humidity not up 75 %, not longer than 24 months at a temperature not up +25 °C
<b>Transportation</b>
Covered transport without prejudice to the storage conditions

These document was created electronically and is valid without signature.

Date of last review: 2018-01-11