

PRODUCT SPECIFICATION

Product:	Demineralized whey powder
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PHYSICAL AND CHEMICAL INDICATORS

Test item name and unit	D90 Limited	D70 Limited	D50 Limited	D40-Sweet
Mass fraction of fat %	Max 1.5			
Mass fraction of moisture %	Max 5			
Titrated acidity °T	Max 25			
Ash (if it is indicated by the contract) %	Max 1	Max 3	Max 5	Max 6
Solubility index cm ³	Max 0.6			
Protein %	Min 11			
Lactose %	Min 75	Min 70		

MICROBIOLOGICAL INDICATORS

Parameter	D90	D70	D50	D40-Sweet
Mesophilous, aerobic, optional anaerobe microorganism	Max 10 000 CFU/g	Max 50 000 CFU/g		
Mold fungi	Max 100 CFU/g			
Yeast	Max 50 CFU/g			
Listeria monocytogenes	Not allowed in 25 g			
Coliform bacteria	Not allowed in 0.1 g			
Staphylococcus aureus	Not allowed in 1 g			
Salmonella	Not allowed in 25 g			

SAFETY INDICATORS

Parameter	Permissible limits
Toxic elements, mg/kg:	
- Dioxins	Max 0.000003
- Lead	Max 0.1
- Arsenic	Max 0.05
- Cadmium	Max 0.03
- Mercury	Max 0.005
Mycotoxins, mg/kg:	
- Aflatoxin M1	Max 0.0005
Antibiotics, mg/kg:	
- Tetracycline group	Max 0.01
- Penicillin	Max 0.004
- Streptomycin	Max 0.2
- Chloramphenicol	Max 0.0003
Radionuclides, Bq/kg:	
- Cesium-137	Max 370
- Strontium-90	Max 200
Pesticides, mg/kg:	

- Hexachlorocyclohexane (alpha, beta and gamma isomers)	Max 1.25
- Dichlorodiphenyltrichloroethane and its metabolites	Max 1

OTHER PARAMETERS

Parameter	Value
The recommended shelf life of the product:	18 months from the date of manufacture
Packing:	25 kg multilayer paper bag