

Lacprodan[®] 80 Instant

PRODUCT DESCRIPTION:

Lacprodan[®] 80 Instant, is a spray-dried and agglomerated whey protein concentrate (WPC) produced from whey by ultrafiltration. The product also contains soy lecithin. The instant powder has an increased wettability and dissolves instantly in cold as well as warm water.

APPLICATION:

- Sports Nutrition
- Functional food

CHEMICAL SPECIFICATIONS	Unit	Specification		Typical value	Frequency of analysis	Analytical method
		Min.	Max.			
Protein as is (Nx6.38)	%	76	80		Each batch	ISO 8968-3 / IDF 20-3
Protein in dm (Nx6.38)*	%	80	84		Each batch	Calculated
Lactose	%		9		Each batch	ISO 5765-2 / IDF 79-2
Fat	%		10		Each batch	ISO 1736
Ash	%		3.5		Each batch	NMKL 173
Moisture	%		6		Each batch	ISO 6731

* Limits are theoretically calculated from moisture and protein limits. Protein as is and moisture limits are used for release.

PHYSICAL SPECIFICATIONS	Unit	Specification		Typical value	Frequency of analysis	Analytical method
		Min.	Max.			
pH	10% sol	6.1	6.8		Each batch	ISO 5546 / IDF 115
Scorched particles	Disc		Disc A		Each batch	ADPI
Bulk density (625x)	g/cm ³		0.4	Level	Monitoring	ISO 8967 / IDF 134
Solubility index	ml		0.7		Monitoring	ISO 8156 / IDF 129
Colour	Description	White to cream			Each batch	Sensory inspection
Flavour/odour	Description	Bland			Each batch	Sensory inspection
Heavy metals (Cd+Hg+Pb)	ppm		30			

MICROBIOLOGICAL SPECIFICATIONS	Unit	Specification		Frequency of analysis	Analytical method
		n	Max.		
Total plate count	CFU/g		30000	Each batch	ISO 4833-1
Enterobacteriaceae	CFU/g		10	Each batch	ISO 21528-2
Yeast & mould	CFU/g		100	Each batch	ISO 6611
	Sample size	n	Absent in		
Staphylococcus aureus			1g	Each batch	ISO 6888-1
Salmonella			125 g	Each batch	ISO 6579

AMINO ACIDS (AA)

TYPICAL AMINO ACID COMPOSITION G AA/100 G PROTEIN (Nx6.38)

Alanine		5.5
Arginine		2.7
Aspartic acid (asparagine)		11.3
Cysteine (cystine)		2.4
Glutamic acid (glutamine)		18.4
Glycine		2.0
Histidine	*	1.9
Isoleucine	*	6.6
Leucine	*	11.4
Lysine	*	9.9
Methionine	*	2.3
Phenylalanine	*	3.5
Proline		6.6
Serine		5.7
Treonine	*	7.5
Tryptophane	*	1.9
Tyrosine		3.2
Valine	*	6.6

* Essential amino acids

NUTRITIONAL VALUES

VALUES PER 100 G PRODUCT

Energy	1.655/392	kJ/kcal
Calories from fat	69	kcal
Protein (Nx6.25)	76	g
Carbohydrate	4.6	g
- of which dietary fiber	0	g
- of which sugars	4.6	g
- of which added sugars	n.a.	g
Fat	7.7	g
- of which saturated fat	4.9	g
- of which trans fat	0.3	g
Cholesterol	150	
Salt	0.5	g
Sodium	180	mg
Vitamin A	n.a.	
Vitamin C	n.a.	
Calcium	400	mg
Iron	20	ppm

EU: Energy value is calculated according to Regulation (EU) No 1169/2011 of the European Parliament and of the Council of 25 October 2011 on the provision of food information to consumers.

STORAGE:

Store in closed bags under cool and dry conditions, to prevent deterioration due to humidity and high temperatures.

ALLERGENS

YES	NO	ALLERGENS	DESCRIPTION OF COMPONENTS
		● Cereals containing gluten and products thereof	
		● Crustaceans and products thereof	
		● Eggs and products thereof	
		● Fish and products thereof	
		● Peanuts and products thereof	
		● Soya beans products thereof	
		● Milk and products thereof (including lactose)	Bovine milk
		● Nuts	
		● (Tree) Nuts and products thereof	
		● Celery and products thereof	
		● Mustard and products thereof	
		● Sesame seeds and products thereof	
		● Sulphur dioxide and sulphites (>10 mg/kg)	
		● Lupin and products thereof	
		● Molluscs and products thereof	

LEGAL REFERENCES:

Lacprodan[®] 80 Instant. The product is manufactured, packaged and labelled according to the relevant EU-regulations for food and food ingredients, and/or FAO/WHO Codex Alimentarius, when relevant. This includes that the milk/milk constituents used as raw material origins from healthy cows. The milk used in the production is included in monitoring programmes for undesirable substances, as required by regulations or HACCP-based risk assessment. The production plants are approved by the competent authorities and included in the EU-register of approved food establishments.

For products manufactured outside EU the products comply with relevant regulations in the country where the product is produced.

GMO POLICY:

Arla Foods Ingredients Group P/S's objective is to avoid genetically modified ingredients in our products. The requirements we have established for our suppliers ensure that only non-GMO raw materials are used during production of our products. Therefore, our products and the raw materials used do not contain, consist of or are produced from GMOs as defined in regulation (EC) No 1829/2003 and they do not contain ingredients produced from GMOs. Therefore, our products do not need labelling according to Regulation (EC) No 1829/2003 and 1830/2003.

For the definition of GMOs we refer to EU Directive 2001/18/EC.

SHELF LIFE:

Minimum 24 months if kept under the prescribed storage conditions.

PACKAGING:

Paper bags with a polyethylene inner liner containing 15kg net.