

# Lacprodan<sup>®</sup> SP-8011 Instant



## Description

Lacprodan<sup>®</sup> SP-8011 Instant is a soy lecithin instantised whey protein concentrate (WPC) produced from sweet whey. The instant powder has an increased wettability and dissolves instantly in cold and warm water. It has a high protein quality and is the best protein source for BCAA, making it ideally suited for sports nutrition, medical nutrition and health foods.

## Applications

1. Sports nutrition
2. Functional food

## Chemical specifications

Protein (Nx6.38) as is	min.	76 %
Protein (Nx6.38) d.m.	min.	80 %
Lactose	max.	7 %
Fat	max.	11 %
Ash	max.	3.5 %
Moisture	max	6 %

## Minerals

Sodium Na	level	0.2 %
Magnesium Mg	level	0.1 %
Phosphorus P	level	0.3 %
Chloride Cl	level	0.1 %
Potassium K	level	0.5 %
Calcium Ca	level	0.4 %
Copper Cu	max.	3 ppm
Iron Fe	max.	20 ppm

## Trace elements

Arsenic As	max.	0.1 ppm
Cadmium Cd	max.	0.1 ppm
Lead Pb	max.	0.5 ppm

## Nutritional data

Calculated values for nutrition labelling per 100 g powder

Energy	1683 kJ/401 kcal
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## Physical specifications

pH (10% solution)	6.1-6.8
Scorched particles	disc A
Bulk density	level 0.4 g/cm <sup>3</sup>
Solubility index	max. 0.5 ml
Wettability (10 sec)	min. 80 %
Colour of powder	white to cream
Flavour/odour	bland
Soya lecithin added	

## Microbiological specifications

Total plate count	max.	10,000 CFU / g
Bacillus cereus	max.	100 CFU / g
Enterobacteriaceae	max.	10 CFU /g
Staphylococcus aureus coagulase +	absent	in 1g
Yeast/Mould	max.	10 CFU /g
Salmonella	absent in	125 g

### Packaging

Paper bags with a polyethylene inner liner containing 15 kg net. Big bags containing 270 kg. net.

### Storage

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

### Shelf Life

Minimum 24 months if kept under the prescribed storage conditions.

### Amino acids (AA)

Typical amino acid composition g. AA/100 g. protein

Alanine		5.5
Arginine		2.7
Aspartic acid (asparagine)		11.3
Cysteine (Cystin)		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
Threonine	*	7.5
Tryptophane	*	1.9
Tyrosine	*	3.2
Valine	*	6.6
Total BCAA/TAA		22.3
* Essential Aminoacids		

### Legal references

Lacprodan® SP-8011 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 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 GMO's as defined in regulation (EC) No 1829/2003, and they do not contain ingredients produced from GMO's. Therefore, our products do not need labelling according to Regulation (EC) No 1829/2003 and 1830/2003.

For the definition of GMO's, we refer to EU Directive 2001/18/EC.



Arla Foods Ingredients Group P/S

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## Allergens

The table below indicates the presence (as added component) of the following allergens and products thereof:

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	Soy Lecithin
●		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	

