

## Product Information

# IdaPlus® 10MC



IdaPlus® 10MC Micellar Casein provides additional functionality combining the value of a high casein protein level with improved texture, consistency, emulsification, flavor and prolonged shelf-life.

### Description

IdaPlus 10MC is a calcium-reduced micellar casein manufactured from fresh, pasteurized skim milk using a proven low-heat membrane filtration process to ensure protein is undenatured and remains highly nutritional. Water, lactose, and minerals are reduced to achieve a given protein content of 88% and the additional functionality attained with a reduction of calcium. IdaPlus 10MC undergoes additional microfiltration to slightly increase the casein-to-whey ratio from that which naturally occurs in milk. After membrane separation, IdaPlus 10MC is immediately spray dried and packaged.

### Composition

IdaPlus Micellar Casein.

### Properties

IdaPlus 10MC is characterized by a clean, sweet dairy, flavor, and aroma. It has excellent solubility and emulsifying capabilities, delivering improved texture and hydration compared with typical MC products.

### Application

IdaPlus 10MC possesses significantly greater solubility than standard MCs, leading to faster dispersion and hydration, even at colder processing temperatures. This results in smoother, less grainy mouthfeel and less chalkiness. Beverages experience improved viscosity, including maintaining low viscosity over shelf life and higher heat stability, reducing the occurrence of gelling. In addition, IdaPlus 10MC delivers excellent emulsification and can be used to replace caseinates in many applications.


### Packaging

IdaPlus 10MC is packaged in multi-wall paper bags with a polyethylene liner (net content of 20 kg), palletized and wrapped to units of 800 kg. It is also available in polyethylene-lined totes (net unit weight of 500 kg).

### Shelf Life and Storage Conditions

IdaPlus 10MC has a shelf life of up to two years from manufacture when stored at ambient temperatures at a relative humidity of below 65%, in an odor free environment. Stocks should be used in rotation.

### Manufacturing Authority

IdaPlus 10MC is food grade, Grade A and is manufactured under FDA and USDA requirements. IdaPlus 10MC is  Kosher, IFANCA Halal, EU Registered (IMS # 16-25).

### Suggested Labeling

Grade "A" Micellar Casein

# Product Information

# IdaPlus® 10MC

## NUTRITIONAL INFORMATION

NUTRITIONAL INFORMATION (as is basis)		Per 100g
Calories	.....	357
Calories from Fat	.....	5.1
Total Fat (g)	.....	0.59
Saturated Fat (g)	.....	0.34
Trans Fat (g)	.....	<0.10
Cholesterol (mg)	.....	65.8
Sodium (mg)	.....	157
Total Carbohydrate (g)	.....	2.3
Dietary Fiber (g)	.....	0
Sugars (g)	.....	2.15
Added Sugars (g)	.....	0
Protein (g)	.....	85.53
Vitamin A (mcg)	.....	12
Vitamin C (mg)	.....	<1.0
Vitamin D (mcg)	.....	<0.75
Calcium (mg)	.....	1,870
Iron (mg)	.....	<0.44
Potassium (mg)	.....	308
MINERAL PROFILE		Per 100g
Calcium (mg)	.....	1,870
Magnesium (mg)	.....	70
Potassium (mg)	.....	308
Sodium (mg)	.....	157
Chloride (mg)	.....	134
Phosphorus (mg)	.....	1,179

## AMINO ACID PROFILE (BASED ON 100G OF PROTEIN)

Tryptophan	..... 1.35%	Alanine	..... 3.07%
Cystine	..... 0.69%	Valine	..... 5.77%
Methionine	..... 2.68%	Isoleucine	..... 4.91%
Aspartic Acid	..... 6.94%	Leucine	..... 8.99%
Threonine	..... 4.00%	Tyrosine	..... 4.79%
Serine	..... 5.03%	Phenylalanine	..... 4.35%
Glutamic Acid	..... 19.22%	Total Lysine	..... 7.46%
Proline	..... 8.99%	Histidine	..... 2.44%
Glycine	..... 1.67%	Arginine	..... 3.16%

**Disclaimer:** This information is presented for informational purposes based upon average values of product characteristics and to provide general information of product specifications without representation or warranty of infringement of patent. The presentation of the information is not a representation or warranty of the final product characteristics or specifications. The final product shall be in accordance with the product specifications agreed to in writing prior to order confirmation.



2249 South Tiger Drive  
Jerome, ID 83338  
+1.208.644.2882  
idahomilkproducts.com



We are a trusted, globally-capable supplier to food and nutrition companies everywhere. Our customers believe it's time to demand sustainably-sourced, top-quality dairy ingredients and a new level of product reliability, consistency, and service. If that's what you expect from your key dairy suppliers, it's time to join forces with Idaho Milk Products.

[sales@idahomilk.us](mailto:sales@idahomilk.us)

## Product Information

# IdaPlus® 1085



IdaPlus 1085 provides additional functionality combining the value of high protein with improved texture, consistency, flavor and prolonged shelf life.

### Description

IdaPlus 1085 is a milk protein concentrate-85% manufactured from fresh, pasteurized skim milk using a proven low-heat membrane filtration process to ensure protein is undenatured and remains highly nutritional. Water, lactose and minerals are reduced to achieve a given protein content of 85% (casein and whey protein). After membrane separation, IdaPlus 1085 is immediately spray dried and packaged.

### Composition

IdaPlus Milk Protein Concentrate (includes, casein and whey proteins in the same unaltered ratio as in milk).

### Properties

IdaPlus 1085 is characterized by a clean, sweet dairy flavor and aroma. It has excellent solubility and emulsifying capabilities, delivering improved texture and hydration compared with typical MPC and MPI products.

### Shelf Life and Storage Conditions

IdaPlus 1085 has a shelf life of up to two years from manufacture when stored at ambient temperatures at a relative humidity of below 65%, in an odor free environment. Stocks should be used in rotation.


### Application

IdaPlus 1085 possesses significantly greater solubility than standard MPCs/MPs, leading to faster dispersion and hydration, even at colder processing temperatures. This results in smoother, less grainy mouthfeel and less chalkiness. Beverages experience improved viscosity, including maintaining low viscosity over shelf life and higher heat stability, reducing the occurrence of gelling. In addition to improve texture, consistency and flavor, yogurt manufacturers have encountered shorter make times and the potential to remove stabilizers, resulting in lower costs and cleaner labels.

### Packaging

IdaPlus 1085 is packaged in multi-wall paper bags with a polyethylene liner (net content of 20 kg), palletized and wrapped to units of 800 kg. It is also available in polyethylene-lined totes (net unit weight of 500 kg).

### Manufacturing Authority

IdaPlus 1085 is food grade, Grade A and is manufactured under FDA and USDA requirements . IdaPlus 1085 is  Kosher , IFANCA Halal, EU Registered (IMS # 16-25).

### Suggested Labeling

Grade "A" Milk Protein Concentrate

# Product Information

# IdaPlus 1085

## NUTRITIONAL INFORMATION

NUTRITIONAL INFORMATION (as is basis)		Per 100g
Calories	.....	356
Calories from Fat	.....	11
Total Fat (g)	.....	0.59
Saturated Fat (g)	.....	0.34
Trans Fat (g)	.....	<0.10
Cholesterol (mg)	.....	66
Sodium (mg)	.....	107
Total Carbohydrate (g)	.....	2.3
Dietary Fiber (g)	.....	0
Sugars (g)	.....	2.36
Added Sugars (g)	.....	0
Protein (g)	.....	85.53
Vitamin A (mcg)	.....	12
Vitamin C (mg)	.....	<1.0
Vitamin D (mcg)	.....	<0.75
Calcium (mg)	.....	1,810
Iron (mg)	.....	<0.44
Potassium (mg)	.....	378
MINERAL PROFILE		Per 100g
Calcium (mg)	.....	1,810
Magnesium (mg)	.....	85
Potassium (mg)	.....	378
Sodium (mg)	.....	107
Chloride (mg)	.....	126
Phosphorus (mg)	.....	1,267

## AMINO ACID PROFILE (BASED ON 100G OF PROTEIN)

Tryptophan	.....	1.28%	Alanine	.....	2.84%
Cystine	.....	0.62%	Valine	.....	5.55%
Methionine	.....	2.33%	Isoleucine	.....	4.60%
Aspartic Acid	.....	6.59%	Leucine	.....	8.45%
Threonine	.....	3.87%	Tyrosine	.....	4.34%
Serine	.....	4.75%	Phenylalanine	.....	4.15%
Glutamic Acid	.....	18.40%	Total Lysine	.....	7.52%
Proline	.....	8.72%	Histidine	.....	1.98%
Glycine	.....	1.59%	Arginine	.....	3.10%

**Disclaimer:** This information is presented for informational purposes based upon average values of product characteristics and to provide general information of product specifications without representation or warranty of infringement of patent. The presentation of the information is not a representation or warranty of the final product characteristics or specifications. The final product shall be in accordance with the product specifications agreed to in writing prior to order confirmation.



2249 South Tiger Drive  
Jerome, ID 83338  
+1.208.644.2882  
idahomilkproducts.com



We are a trusted, globally-capable supplier to food and nutrition companies everywhere. Our customers believe it's time to demand sustainably-sourced, top-quality dairy ingredients and a new level of product reliability, consistency, and service. If that's what you expect from your key dairy suppliers, it's time to join forces with Idaho Milk Products.

[sales@idahomilk.us](mailto:sales@idahomilk.us)

## Product Information

# IdaPlus® 1090



IdaPlus 1090 provides our highest protein level of additional functionality, combining the value of high protein with improved texture, consistency, flavor and prolonged shelf life.

### Description

IdaPlus 1090 is a milk protein isolate-90% manufactured from fresh, pasteurized skim milk using a proven low-heat membrane filtration process to ensure protein is undenatured and remains highly nutritional. Water, lactose and minerals are reduced to achieve a given protein content of 90% (casein and whey protein). After membrane separation, IdaPlus 1090 is immediately spray dried and packaged.

### Composition

IdaPlus Milk Protein Isolate (includes, casein and whey proteins in the same unaltered ratio as in milk).

### Properties

IdaPlus 1090 is characterized by a clean, sweet dairy flavor and aroma. It has excellent solubility and emulsifying capabilities, delivering improved texture and hydration compared with typical MPC and MPI products.

### Shelf Life and Storage Conditions

IdaPlus 1090 has a shelf life of up to two years from manufacture when stored at ambient temperatures at a relative humidity of below 65%, in an odor free environment. Stocks should be used in rotation.


### Application

IdaPlus 1090 possesses significantly greater solubility than standard MPCs/MPIs, leading to faster dispersion and hydration, even at colder processing temperatures. This results in smoother, less grainy mouthfeel and less chalkiness. Beverages experience improved viscosity, including maintaining low viscosity over shelf life and higher heat stability, reducing the occurrence of gelling. In addition to improve texture, consistency and flavor, yogurt manufacturers have encountered shorter make times and the potential to remove stabilizers, resulting in lower costs and cleaner labels.

### Packaging

IdaPlus 1090 is packaged in multi-wall paper bags with a polyethylene liner (net content of 20 kg), palletized and wrapped to units of 800 kg. It is also available in polyethylene-lined totes (net unit weight of 500 kg).

### Manufacturing Authority

IdaPlus 1090 is food grade, Grade A and is manufactured under FDA and USDA requirements. IdaPlus 1090 is  Kosher, IFANCA Halal, EU Registered (IMS # 16-25).

### Suggested Labeling

Grade "A" Milk Protein Isolate



# Product Information

# IdaPlus 1090

## NUTRITIONAL INFORMATION

NUTRITIONAL INFORMATION (as is basis)		Per 100g
Calories		356
Calories from Fat		6
Total Fat (g)		0.66
Saturated Fat (g)		0.40
Trans Fat (g)		<0.10
Cholesterol (mg)		66.4
Sodium (mg)		100
Total Carbohydrate (g)		1.8
Dietary Fiber (g)		0
Sugars (g)		1.8
Added Sugars (g)		0
Protein (g)		84.85
Vitamin A (mcg)		<30
Vitamin C (mg)		<1.0
Vitamin D (mcg)		<0.75
Calcium (mg)		1,800
Iron (mg)		<0.60
Potassium (mg)		275
MINERAL PROFILE		Per 100g
Calcium (mg)		1,800
Magnesium (mg)		68
Potassium (mg)		275
Sodium (mg)		100
Chloride (mg)		79
Phosphorus (mg)		1,164

## AMINO ACID PROFILE (BASED ON 100G OF PROTEIN)

Tryptophan	1.42%	Alanine	3.09%
Cystine	0.66%	Valine	5.58%
Methionine	2.70%	Isoleucine	4.73%
Aspartic Acid	7.07%	Leucine	9.04%
Threonine	4.15%	Tyrosine	4.82%
Serine	5.15%	Phenylalanine	4.46%
Glutamic Acid	19.40%	Total Lysine	7.65%
Proline	9.08%	Histidine	2.44%
Glycine	1.67%	Arginine	3.24%

**Disclaimer:** This information is presented for informational purposes based upon average values of product characteristics and to provide general information of product specifications without representation or warranty of infringement of patent. The presentation of the information is not a representation or warranty of the final product characteristics or specifications. The final product shall be in accordance with the product specifications agreed to in writing prior to order confirmation.



2249 South Tiger Drive  
Jerome, ID 83338  
+1.208.644.2882  
idahomilkproducts.com



We are a trusted, globally-capable supplier to food and nutrition companies everywhere. Our customers believe it's time to demand sustainably-sourced, top-quality dairy ingredients and a new level of product reliability, consistency, and service. If that's what you expect from your key dairy suppliers, it's time to join forces with Idaho Milk Products.

[sales@idahomilk.us](mailto:sales@idahomilk.us)