

 **Product specification**  
**30+ Samsø ML** Active

Arla Foods / Basics

Revised: 04/06/2018 Product specification no: 1790-00085  
Version: 6

**Dairy** 1790  
**Authorization number** PL32011602EC  
**Name** Arla Foods S.A.  
**Address** Tychowo Poland  
 ul. Dworcowa 27  
 78-220 Tychowo  
**Zip code**  
**City**  
**Country** Poland

**Type of specification**  Finished product  Semi-product  
**Product** **30+ Samsø ML**  
**Legal product designation** UK: 30+ Samsø  
DK: 30+ Samsø SE: 30+ Samsø  
**Description of product** 30+ Samsø ML, block

**Used primarily for** On top of bread and as ingrediens in cooking  
 The product specified in this document meets the requirements in the legislation of the country where the product is produced. If the producing country is an EU member it also meets EU legislation.  
**Global Product Management** Mia Pedersen  
**Valid as of** 30/03/2018

Arla Foods / Sensory properties

	Norm	Rejection
<b>Smell</b>	Mild and aromatic smell	Strong evil-smelling
<b>Taste</b>	Mild and aromatic taste	Very sour, very salt
<b>Consistency</b>	Supple and cuttable	Not sliceable <5° C
<b>Colour</b>	White to yellowish	Very marbled
<b>Texture</b>	Few round holes the size of a pea	Many small non-standard holes or very large holes
<b>Appearance</b>	Rindless, white to yellowish	Strongly liquid

**Comments:** Rejection happens when judging grade is <9 according to the danish 15-point-scale.

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Arla Foods / Weight, product age & shelf life

Weight

Weight	Norm	Tolerance	Rejection
Type of weight			
e_Weight No	2,0 kg	2,0 - 2,5 kg H - 70-100 mm	
Dimensions(HxBxL or HXØ)	80x 127x 190 mm		
CuttingModel	block	-----	-----
-----	-----		
Type of weight		3,0 - 3,5 kg	
e_Weight No	3,3 kg		
Dimensions(HxBxL or HXØ)	90x 95x 380 mm		
CuttingModel	block	-----	-----
-----	-----		

y = Average weight for the lot

**Comments:**

Product age for internal control

Shelf life for external information

**Comments:**

Analyses and their frequency declared in below tables: Chemical properties and Microbiological properties refer to semi-finish good and are done in Taulov dairy.  
In Arla Foods Tychowo Poland are done microbiological analyses : E.coli, Staphylococcus aureus and Listeria monocytogenes in accordance with Commission Regulation (EC) No 1441/2007 of 5 December 2007 amending Regulation (EC) No 2073/2005 on microbiological criteria for foodstuffs.

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Arla Foods / Chemical properties

	Norm	Tolerance		Law demand *	Reference method of analysis	Frequency
		Lower limit	Upper limit			
Fat %	15.5	14.5	- 17.5	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ISO 1735 / IDF 5	Every 5. batch
Total solids %	49.5	47.5	- 51.0	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ISO 5534 / IDF 4	Every 5. batch
Moisture %	50.5	49.0	- 52.5	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Calculated	Every 5. batch
Fat in dry matter %	31.3	30.0	- 39.0	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Calculated	Every 5. batch
Fatfree drymatter %			-	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Moisture on a fat-free basis %	59.7	57.0	- 63.0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Calculated	Every 5. batch
Salt %	1.70	1.40	- 2.00	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ISO 5943 / IDF 88	Every 5. batch
pH	5.5	5.2	- 6.2	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Potentiometric method	Every 5. batch
			-	<input type="checkbox"/> Yes <input type="checkbox"/> No		
			-	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
			-	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
			-	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
			-	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
			-	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

\* Law demand completed according to legislation in producing country. If the producing country is an EU member it is also completed according to EU legislation. Otherwise, relevant legislation is stated in "Comments".

Comments:

Arla Foods / Microbiological properties - 47

	Norm	Tolerance	Law demand *	Reference method of analysis	Frequency
Coliforms	< 10 /g	≤ 1000 /g	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ISO 4832	Every 5. batch
E. coli	< 10 /g	≤ 100 /g	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ISO 16649	Only by coli > 100/g
Staph. aureus	< 10 /g	≤ 10 /g	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ISO 6888	1 per quater and if E.coli >100 and/or Coli >1000
Listeria monocytogenes	0/25 g	0/25 g	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ISO 11290	1 per week and if E.coli >100 and/or Coli >1000
			<input type="checkbox"/> Yes <input type="checkbox"/> No		

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Comments:

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Arla Foods / Nutrition labelling

The nutrition information according to EU regulation with the minimum required nutrients. Rounding of values is done according to the European Commission guidance. Values of '<0.1 g' or '<0.5 g' (or for salt '<0.01 g') may be written as '0 g'.

<b>Nutrition declaration (per 100 g)</b>	
<b>Energy</b>	1065 kJ
	255 kcal
<b>Fat</b>	16 g
<b>of which saturates</b>	9,9 g
<b>Carbohydrate</b>	<0,5 g
<b>of which sugars</b>	<0,5 g
<b>Protein</b>	28 g
<b>Salt</b>	1,7 g

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Content per 100 g	Content	Energy	Energy in %
Total Energy kJ/kcal		1064.7 kJ 255.0 kcal	100.0%
Protein (g)	27.8	472.6 kJ	44.4%
Carbohydrates total (g)	0.1	1.7 kJ	0.2%
of which sugars (g)			
of which lactose (g)			
of which galactose (g)			
of which sucrose (g)			
of which sugar alcohols (g) if added		0.0 kJ	0.0%
Added sugar (g)		0.0	
Organic acids (g)	1.3	16.9 kJ	1.6%
Fat, total (g)	15.5	573.5 kJ	53.9%
of which saturated fatty acids (g)		9.9	
of which monounsaturated fatty acids (g)		3.6	
of which polyunsaturated fatty acids (g)		0.3	
of which trans fatty acids (g)		0.5	
Cholesterol (mg)	51.1		
Alcohol (g)	0.0	0.0 kJ	0.0%
Dietary fibre (g)	0.0	0.0 kJ	0.0%
Sodium (g)	0.680		
Vitamin A (RE)	138		
Calcium (mg)	833		
Vitamin C (mg)	0		
Vitamin D (µg)	0.2		
Potassium (mg)	0		
Iron (mg)	0.0		
Ash (g)	4.8		
Water (g)	50.5		
Total (g)	100.0		
Bread units (BU)	0,01		

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Arla Foods / Product Information

Has the following been added to the product (directly or through an ingredient) ?	
Additives	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Colours (E100 - E180)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Azo Colours (E102/E110/E122/E124/E129) or E104	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Artificial colours	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Preservatives (E200 - E297)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Benzoates (E210 - E213)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
BHA (E320) / BHT (E321)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sweeteners	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Aspartame (E951)/Aspartam-acesulfame salt (E962)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Glutamate (E621 - E625)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Flavourings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Non-natural flavourings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Yeast (added)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Maize and maize derivatives	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Nuts	
Have nuts/sesame seeds been added ?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Do nuts and/or sesame seeds go down the same line ?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there nuts/sesame seeds in the same plant ?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
- If yes in any of the above, further define as follows	
<ul style="list-style-type: none"> <li>State type of nut and/or sesame seed</li> <li>State whether nut, seed or oil</li> <li>State whether ingredient or processing aid</li> <li>Indicate whether nut/seed contamination is possible</li> </ul>	

Does the product contain any of the following allergenes ?	
Cereals containing gluten and products thereof. If yes, specify:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Wheat	<input type="checkbox"/> Yes <input type="checkbox"/> No
Rye	<input type="checkbox"/> Yes <input type="checkbox"/> No
Barley	<input type="checkbox"/> Yes <input type="checkbox"/> No
Oats	<input type="checkbox"/> Yes <input type="checkbox"/> No
Spelt	<input type="checkbox"/> Yes <input type="checkbox"/> No
Kamut	<input type="checkbox"/> Yes <input type="checkbox"/> No
Crustaceans and products thereof	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Eggs and products thereof	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Fish and products thereof	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peanuts and products thereof	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Soybeans and products thereof	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Milk and products thereof (including lactose)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Nuts and products thereof. If yes, specify:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Almond	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hazelnut	<input type="checkbox"/> Yes <input type="checkbox"/> No
Walnut	<input type="checkbox"/> Yes <input type="checkbox"/> No
Cashew	<input type="checkbox"/> Yes <input type="checkbox"/> No
Pecan nut	<input type="checkbox"/> Yes <input type="checkbox"/> No
Brazil nut	<input type="checkbox"/> Yes <input type="checkbox"/> No
Pistachio nut	<input type="checkbox"/> Yes <input type="checkbox"/> No
Queensland/Macadamia nut	<input type="checkbox"/> Yes <input type="checkbox"/> No
Celery and products thereof	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mustard and products thereof	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sesame seeds and products thereof	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre in terms of the total SO2 which are to be calculated for products as proposed ready for consumption or as reconstituted according to the instructions of the manufacturers	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Lupin and products thereof	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Molluscs and products thereof	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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**GMO**

Is the product non-GMO  Yes  No

- If no, give details of genetic modification

**Is the product suitable for:**

Lacto Vegetarians  Yes  No

Vegans  Yes  No

Coeliacs (gluten free)  Yes  No

**Lipase**

Lipase  Microbial  Not used  
 Animal

**Irradiation**

Have any ingredients been irradiated?  Yes  No

If yes, specify

**Rennet**

Rennet  Microbial  Not used  
 Animal

**Can be produced as:**

Kosher  Yes  Not investigated  
 No

Super Kosher  Yes  Not investigated  
 No

Halal  Yes  Not investigated  
 No

**Comments:**

**Additive: Calcium Chloride is a processing aid which is not declared according to EU legislation.**