

Food Safety Management System

SWK-33.15

FINISHED PRODUCT SPECIFICATION

CHEESE ANALOGUE

For Milkpartners

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Edition: 1

Copy No:

- General description: cheese analogue produced on accordance with aging cheese production technology, from skimmed pasteurized milk standardized with palm vegetable oil.
- 2. Ingredients: pasteurized milk, paim oil, salt, pure bacterial cultures, rennet, calcium chloride stabilizer, carotenes colour.
- Intended use: for direct consumption or for further processing, for example: melting, shredding, slicing, cutting, smoking. Organoleptic characteristics:

Appearance	Block with slightly convex or concave sides, slightly rounded, light imprint of form and foil bags acceptable.					
Colour	Cream, yellow to dark yellow.					
Consistency	Soft, elastic, homogenous body.					
Eyes	Few eyes, round, oval, single irregular eyes or lack of them is acceptable.					
Flavour and aroma	Mild, slightly sour, slightly spicy, slightly bitter acceptable.					
. Chemical properties:						
Moisture [%]:	≤45 ± 0,4					

Moisture [%]:	≤ 45 ± 0,4
Fat content [%j:	27 ± 3,5
Protein [%]:	>25 ±0,4
Salt content [%j:	1,8 ±0,4

6. Microbiological requirements in conformity with Commission Regulation (EC) No 2073/2005 as amended and internal requirements:

Parametre	Sample collection	Limits			
	n	c	m	м	
Number of bacteria - celi group [CFU/g]	5	2	100	1000	
Number of bacteria - E. coli [CFU/g]	5	2	100	1000	
Number of yeast and mould [CFU/g]	*	-		≤500	
Number of coagulase positive staphylococcus [CFU/g]	5	2	100	1000	
Listeria monocytogenes [in25g]	5	0	None		
Anaerobic spore-forming bacteria [in 0,1g]		· -	None		

7. Additional requirements:

Allergens	Milk and products thereof (including lactose) in conformity with Regulation (EU) No 1169/2011 of the European Parliament and of the Council as amended.					
GMO	The product does not include genetically modified material in conformity with Regulation (EC) No 1829/2003 and 1830/2003 of the European Parliament and of the Council as amended.					
Chemical pollutants	In conformity with Commission Regulation (EC) No 1881/2006 as amended.					
Pesticides content	In conformity with Regulation (EC) No 396/2005 of the European Parliament and of the Council as amended.					
Packaging Declaration of Conformity	In conformity with Commission Regulation (EU) 10/2011 as amended.					

8. Packaging, labeling, storage and transport:

Packaging: heat-shrinkable cryovac foil bags, not weight approx. 3 kg or other.
Labeling: In conformity with Regulation (EU) No 1169/2011 of the European Parliament and of the Council as amended.
The label provides the following Information: name of the product, name and address of the manufacturer or name and address of the distributor, veterinary identification number, ingredients, nutritional value, conditions for storage, best before dates, batch number, net weight.

Storage and transport: storage period in the temperature from +1°C to +8°C: 6 months from the date of finishing the technological process. The product must be transported in refrigerated trucks with storage temperature due.

9. Nutritional value 100g:

Product nutritional value	in 100g				
Energy	1424kJ/343kcal				
Fat	27g				
of which					
saturates	14g				
Carbohydrates	0q				
of which					
sugars	0g				
Protein	25g				
Salt	1,8g				

Name and surname	Title	Date and signature		
Prepared: Joanna Todryk	Quality Control Laboratory Manager	02.06.20 Tody2		
<u>Verified by:</u> Malgorzata Chodorska	Production Manager	02.06.20 Chodoshe		



Skim milk

Non-hardened vegetable palm oil

Attachment

Number: **DHM 6-Z35** Version: **1.8**

Date: 2019-12-12 Status: Valid Page: 1 of 2

PRODUCT QUALITY SPECIFICATION PERŁA WARMII

Producer: Polmlek Sp. z o.o. 03-152 Warszawa, ul. Modlińska 310/312 Dairy Plant in Lidzbark Warmiński, ul. Topolowa 1, 11-100 Lidzbark Warmiński tel. 89 521 57 00, fax. 89 767 26 60

				el. 89 521 57 00,							
Analogue rennet-base	d matu	rring, fat product, produce	ed from				e tat.				
Domenton				Organoleptic	cnaracterist	ICS			_	\	
Parameter		A bloo	اد بدائله ما	Standard	d rounded o					Rejection	
Appearance		A DIOC	K WITH SII	ightly convex an	a rounaea e	uges.		_		hapen block 	
Skin	Smo	oth, slight imprints of the	moulds	are acceptable,	it can be co	vered with a	a plastic	coating.		anical damage	
Eyes	Eyes	of various sizes, round a								erous cracks	
Consistency		The inside is soft, flexib				•		-		Greasy	
Colour		From light yellow to yello						ed.		-	
Flavour /Odour		Slightly sour, sli		eurisation afterta aste of vegetable		spicy, possi	ible		Unclear, bitter		
				Physical	properties	•					
	Para	meter					Stand	ard			
ı	Net we	ight / kg				k	oblocks blocks 2,8 shredded				
	Heigh	nt / cm					roblocks blocks 10				
	Widt	n / cm					eurobloc blocks				
	Leng	th / cm		euroblocks 50 blocks 30							
				Physicochem	ical propert	ies					
Parameter		Standard		Toleran	ice	Rejec	tion	Method of and	alysis	Frequency	
Water %		43		40 - 45		< 40;	> 45	Food Sca	n	Each strike	
Fat %		26		25 - 2	< 25;	> 29	Food Scan		Each strike		
Fat content in dry matt	ter %	45		43 - 5	0	< 43;	Foo		n	Each strike	
Salt %		1,5		1,2 - 1	,8	< 1,2;	> 1,8	Food Sca	n	Each strike	
				Microbiologi	cal propertion	es					
Parameter	Parameter Norm			Tolerance I		Rejec	jection Method		alysis	Frequency	
Salmonella n = 5, c = 0 not detected in 25 g			-		detected in 25 g		External laboratory		blocks, packed cheese analogue 1 x quarter		
Listeria monocytoge	enes n = 5, c = 0 not detected in 25 g			-		detected Extern		External laboratory ch			
Staphylococcus aure	eus	n = 5, c = m = 100 cfu		M = 1000 cfu/g		> 1000 cfu/g		External laboratory		blocks, packed cheese analogue 1 x quarter	
Escherichia coli		n = 5, c = 2 m = 100 cfu		M = 1000 cfu		> 1000 cfu/g		External laboratory		blocks, packed cheese analogue 1 x quarter	
				List of ing	redients						
In	gredie	ent	Е	- number	umber Origi		gin % of ingr		ent Function		
			1				1				

Poland

from outside the EU

min. 96

max. 3,4



Attachment

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Salt		Poland	1,6	-					
Calcium chloride	E 509	EU	0,09	Stabiliser					
Lactic acid bacterial cultures (contains lactose from milk)	-	EU	0,08	-					
Microbiological rennet	-	EU	0,05	Coagulant					
ß-carotene	E 160a	EU	0,02	Colouring					
Potato starch for shredded cheese	-	Poland	-	Anticaking agent					
Nutritional value in 100 g									
Parameter		Standard							
Nutritional value kJ/kcal		1428/344							
Fat in g			26						
including saturated fatty acids in	g		13						
Carbohydrates in g including sugars in g			1,4 0,2						
Protein in g			26						
Salt in g			1,5						
	Storage parameters								
Storage temperatures	Storage temperatures			blocks from 0°C to +10°C shredded 2°C to +8°C					
Max. storage time from the manufacturing date		6 months euroblocks and blocks 45 days packaged - shredded product							
	Other info								
Packaging				Blocks packed in heat-shrink film. Shredded cheese analogue: OPA/PE.					
Labelling		on date, strike number and best-before date on the weight label sheeses analogue: best-before date/shift number DD.MM.YYYY/S							
Labelling	manufacturer's name and address, net weight, best-before date /day, strike number as the determination of the production lot/, ingredients, a about the fat content, storage conditions, veterinary identification 28091601 WE. Moreover, the information about the nutritional value conditions should be placed on the packaging for packaged cheeses.								
Intended use	For direct consumption and at the Customer's discretion and according to their ingenuity.								
Other information	duct is intended for each consumer, except for persons allergic ow's milk protein and lactose. The product does not contain an argument of the product complies with the applicable food law.								
Full name	Full name			Signature					
Prepared by: Ewa Tyszl	ka	Technologist							
Approved by: Kinga Budi	าล	Quality System Manager							