

TECHNICAL DATASHEET M233 CARAMELO 33% - EUROPE	CODE: PBOG-DD-FT-764 EDITION: 2 DATE: APRIL 2022	
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PRODUCT IDENTIFICATION

Name: Milk chocolate.

Brand: LUKER CACAO.

Description: Milk chocolate couverture 33% cacao content, produced from a mix of Fino de Aroma cocoa beans with characteristic caramel tones. For use as couverture, for moulding and as an ingredient for confectionary.

Ingredient list: Sugar, cocoa butter, milk powder, skimmed milk powder, cocoa mass, caramelized milk powder [Milk solids, sugar, caramel color class I (E150a), dipotassium phosphate (E340iii), sodium bicarbonate (E500) and anticaking agent (E551)], Whey powder, emulsifier (sunflower lecithin), natural caramel flavor and vanilla extract.

Presentation: 50x6g, 2,5 kg; 20 kg.

Country of Origin: Colombia.


PRODUCT PROPERTIES

SENSORY CHARACTERISTICS		
CHARACTERISTIC	SPECIFICATION	METHOD
Taste and Aroma	Characteristic of milk chocolate with caramel tones, free of foreign odors and flavors	Sensory analysis
Color	Characteristic of milk chocolate	Sensory analysis
Appearance	Drops 20 mm +/- 4 mm	Sensory analysis

PHYSICOCHEMICAL CHARACTERISTICS			
CHARACTERISTIC	UNIT	SPECIFICATION	METHOD
Moisture	%	1.0 max.	AOAC 931.04 – Gravimetric analysis in halogen moisture analyzer
Fat	%	33,0 – 36,0	AOAC 963.15 – Nuclear Magnetic Resonance (NMR)
Viscosity	Pa * s	0.600 – 1,80	IOCCC 2000 (Casson Model)
Yield value	Pa	6.000 – 12.000	IOCCC 2000 (Casson Model)
Particle size	microns	20 – 25	Micrometer

Note: this technical data sheet is provisional since the specifications indicated in this document have been determined from a first sample and can be adjusted once the data from the successive manufacturing batches is available. The adjustments will imply the issuance of a new technical sheet.

MICROBIOLOGICAL CHARACTERISTICS			
CHARACTERISTIC	UNIT	SPECIFICATION	METHOD
Mesophilic aerobic bacteria count	CFU/g	10.000	AOAC 966.23 - Depth plate count / AOAC 2015.13 - Petrifilm™ Count Plate
Yeasts and molds count	CFU/g	<100	ISO 21527-2 - Depth plate count / Soleris® Direct Yeast and Mold Test. AOAC® Performance Tested SM - Certificate No. 051301 / AOAC 2014.05 - Petrifilm™ Count Plate

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Enterobacteriaceae count	CFU/g	<10	ISO 21528-2 - Depth plate count / AOAC 2003.01 - Petrifilm™ Count Plate
Total coliform organisms count	CFU/g	<10	ISO4832 - Depth plate count / AOAC 998.08 Petrifilm™ Count Plate
Escherichia coli count	CFU/g	<10	ISO4832 - Depth plate count / AOAC 998.08 Petrifilm™ Count Plate
Staphylococcus aureus (+) count	CFU/g	<100	UNE-EN ISO 6888-1:2000
Bacillus Cereus count	CFU/g	<100	UNE-EN ISO 7932:2005
A/P Salmonella sp	A/P	ABSENT	ANSR for Salmonella. AOAC® Performance Tested SM - Certificate No. 061203
A/P Listeria monocytogenes	A/P	ABSENT	ANSR for Listeria monocytogenes. AOAC® Performance Tested SM - Certificate No. 061506

NUTRITIONAL INFORMATION

Nutritional information based on 100 g:

Energy	551,6 kcal	Trans fatty acids	0.1 g
Energy	2307,7 kJ	Cholesterol	14,9 mg
Total protein	7.0 g	Sodium	90,2 mg
Total carbohydrates	55,3 g	Potassium	331,6 mg
Sugars	52,3 g	Calcium	211,4 mg
Including added sugars	42,2 g	Iron	0.2 mg
Dietary fiber	0,9 g	Vitamin A	131,7 IU (37,1 mcg)
Total fat	34,8 g	Vitamin C	1.5 mg
Saturated fat	20,7 g	Vitamin D	0.1 mcg

FOOD SAFETY STATEMENTS

ALLERGEN	AS INGREDIENT (Y/N)	PRESENT IN PRODUCT MANUFACTURED ON THE SAME LINE (Y/N)	PRESENT IN THE PRODUCTION PLANT (Y/N)
Cereals containing Gluten and products thereof	N	N	N
Peanuts and products thereof	N	N	N
Crustaceans and products thereof	N	N	N
Fish and products thereof	N	N	N
Eggs and products thereof	N	N	N
Nuts and Products thereof	N	N	N
Milk and products thereof	Y	Y	Y
Soybeans and products thereof	N	Y	Y

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Sulfur dioxide and Sulphites in concentrations higher than 10 mg/kg or 10 mg/liter expressed as SO ₂	N	N	N
Celery and products thereof	N	N	N
Mustard and products thereof	N	N	N
Sesame seeds and products thereof	N	N	N
Molluscs and products thereof	N	N	N

CHARACTERISTICS		UNIT	SPECIFICATION	METHOD
Heavy Metals	Arsenic	ppm	1.0 max.	AOAC 968.15
	Mercury	ppm	0.1 max.	AOAC 999.11
	Lead	ppm	1.0 max.	AOAC 999.11
	Copper	ppm	50 max.	AOAC 999.11
	Cadmium	ppm	0.3 max.	AOAC 999.10
Mycotoxins	Aflatoxins (Sum of G1, G2, B1, B2)	ppb	10 max.	AOAC 994.08 - LC-MSMS
Foreign Material		-	Absent	AOAC 965.38
Pesticides		-	According to European Union Legislation	GC-MSMS / LC-MSMS

Non-GMO Statement: Product manufactured with Non-GMO raw materials. Complies with the established in EC regulations 1829 and 1830 of 2003.

INSTRUCTIONS FOR PREPARATION

Deposit the desired amount of milk chocolate in a melting tank. Make sure the temperature be between 45 °C (113 °F) and under 50 °C (122 °F). Make a crystallization curve and place in a mold the chocolate at a temperature of 29.0 to 31.0 °C (84.2 – 87.8 °F).

USES

INTENDED USE: In food and as a raw material in the confectionery and pastry industries.

NON-INTENDED USE: Consumption after expiration date, or under inappropriate storage conditions. These can alter the sensory, physicochemical, and microbiological properties.

SUITABLE FOR DIETS	(Y/N)
Kosher	Y
Vegetarian	Y
Vegan	N

PACKAGING, PACKING AND DISTRIBUTION SPECIFICATIONS

PRESENTATION 6G			
PACKAGING	MATERIAL	DIMENSIONS	UNIT WEIGHT
Primary	Flow pack BOPP+ BOPP	90mm x 70mm	6,29g
Secondary	PPC + PEBD Bag	80mm x 132mm	321,1g
Tertiary	Box 540 kgf/m C- KRAFT	279mm x 215mm x 163mm	3,07 kg

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Total units per pallet / Approximate weight	126 boxes	386,82 Kg
Layers per pallet	7 layers – Maximum 13 layers	
Units per layer	18 boxes per layer	
Total pallet height	1.29 m – Maximum 2.27m	

PRESENTATION 2,5KG			
PACKAGING	MATERIAL	DIMENSIONS	UNIT WEIGHT
Primary	Bag PET + NYLON + LDPE with EVOH	337mm x 270mm x 120mm	2,534Kg
Secondary	Box C 790K	398mm x 288mm x 226mm	10,58kg
Tertiary	-	-	-
Total units per pallet / Approximate weight	50 boxes		554Kg
Layers per pallet	5 layers – Maximum 12 layers		
Units per layer	10 boxes per layer		
Total pallet height	1,28 m		

PRESENTATION 20KG			
PACKAGING	MATERIAL	DIMENSIONS	UNIT WEIGHT
Primary	Bag COEXTRUSION HBA + WHITE PIGMENT	790 mm x 390 mm x 290 mm	20,076Kg
Secondary	Box BC 1130 K	382 mm x 278 mm x 310 mm	21kg
Tertiary	-	-	-
Total units per pallet / Approximate weight	40 boxes		864,7Kg
Layers per pallet	4 layers – Maximum 7 layers		
Units per layer	10 boxes per layers		
Total pallet height	1,43 m		


STORAGE AND TRANSPORTATION REQUIREMENTS

SHELF LIFE: 18 months from manufacture date in recommended storage.

STORAGE CONDITIONS BEFORE AND AFTER OPENING: Store in a cool, dry place at temperature between 18 – 20 °C (64.4 – 68 °F) and relative humidity below 65%.

Away from the wall and floor to avoid humidity transfer.

Keep away from heat, light and strong odors.

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SEALS AND CERTIFICATIONS

PRODUCT: Kosher OU.

MANAGEMENTS SYSTEMS: FSSC 22000, ISO 9001, BASC

EDITED BY	REVIEWED BY	APPROVED BY
Packaging Auxiliary	Quality Control Manager Regulatory Affairs Professional Chief Research and Development	Research and Development Director

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