

<b>TECHNICAL DATASHEET DARK CHOCOLATE 85% CACAO LUKER 1906</b>	<b>CODE: PBOG-DD-FT-004 EDITION: 13 DATE: FEBRUARY 2023</b>	
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## PRODUCT IDENTIFICATION

**Name:** DARK CHOCOLATE 1906 85% Cacao content. Origin: Tumaco, Huila y Santander.

**Brand:** LUKER 1906.

**Description:** chocolate with a clearly defined aroma, it gracefully embodies the most marvelous traits of Colombian cacao, emphasizing the strong bitter taste of chocolate accompanied by fruity and nutty tones and smooth hint of sweetness, all of which gives it an exquisite character and crowns it as the supreme expression among dark chocolates.

**Ingredients list:** Cocoa mass (75%), sugar (14.79%), cocoa butter (10%), emulsifier (soy lecithin) (0.20%) and vanilla extract (0.01%).

**Presentation:** 20kg, 2,5kg, 50g, 6g.

**Country of Origin:** Colombia.

## PRODUCT PROPERTIES

SENSORY CHARACTERISTICS		
CHARACTERISTIC	SPECIFICATION	METHOD
Taste and Aroma	Characteristic of dark chocolate, free of foreign odors and flavors	Sensory analysis
Color	Characteristic of dark chocolate	Sensory analysis
Appearance	Solid paste	Sensory analysis

PHYSICOCHEMICAL CHARACTERISTICS			
CHARACTERISTIC	UNIT	SPECIFICATION	METHOD
Moisture	%	1.0 max.	AOAC 931.04 – Gravimetric analysis in halogen moisture analyzer
Fat	%	48,0 - 54,0	AOAC 963.15 – Nuclear Magnetic Resonance (NMR)
Viscosity	Pa * s	0,500 - 1,300	IOCCC 2000 (Casson Model)
Yield value	Pa	0,550 - 4,000	IOCCC 2000 (Casson Model)
Particle size	microns	20 – 25	Micrometer

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 <sup>SM</sup> - Certificate No. 051301 / AOAC 2014.05 - Petrifilm™ Count Plate
Enterobacteriaceae count	CFU/g	<10	ISO 21528-2 - Depth plate count / AOAC 2003.01 - Petrifilm™ Count Plate
Escherichia coli count	CFU/g	<10	ISO4832 - Depth plate count / AOAC 998.08 Petrifilm™ Count Plate

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Staphylococcus aureus (+) count	CFU/g	<100	ISO 6888 - Surface plate count
Bacillus Cereus count	CFU/g	<100	ISO 7932 - Surface plate count
A/P Salmonella sp	A/P	ABSENT	ANSR for Salmonella. AOAC® Performance Tested <sup>SM</sup> - Certificate No. 061203

### NUTRITIONAL INFORMATION

Nutritional information based on 100 g:

Energy	617,45 kcal	Trans fatty acids	0 g
Energy	2583,41 kJ	Cholesterol	0 mg
Total protein	9,23 g	Potassium	576,03 mg
Total carbohydrates	33,55 g	Sodium	0,16 mg
Sugars	14,76 g	Calcium	128,40 mg
Including added sugars	14,76 g	Iron	1,88 mg
Dietary fiber	11,80 g	Vitamin A	0 IU (0 mcg)
Total fat	49,95 g	Vitamin C	0 mg
Saturated fat	30,00 g	Vitamin D	0 mcg

### FOOD SAFETY STATEMENTS

<b>ALLERGEN</b>	<b>AS INGREDIENT (Y/N)</b>	<b>PRESENT IN PRODUCT MANUFACTURED ON THE SAME LINE (Y/N)</b>	<b>PRESENT IN THE PRODUCTION PLANT (Y/N)</b>
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	N	Y	Y
Soybeans and products thereof	Y	Y	Y
Sulfur dioxide and Sulphites in concentrations higher than 10 mg/kg or 10 mg/liter expressed as SO <sub>2</sub> (0)	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

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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	0.8 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 dark chocolate in a melting tank. Ensure that when the dark chocolate melts, the temperature is over 45 °C (113 °F) and under 55 °C (131 °F). Allow the product to cool and deposit in a mold at a temperature of 29-31 °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	Y

### PACKAGING, PACKING AND DISTRIBUTION SPECIFICATIONS

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		

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<b>PRESENTATION 20KG</b>			
<b>PACKAGING</b>	<b>MATERIAL</b>	<b>DIMENSIONS</b>	<b>UNIT WEIGHT</b>
Primary	Bag LDPE Blue	700 mm x 385 mm x 290 mm	20,066Kg
Secondary	Box BC 1130 K Cover C 930 K	386 mm x 285 mm x 322 mm	21,26kg
Tertiary	-	-	-
Total units per pallet / Approximate weight	40 boxes		875,2Kg
Layers per pallet	4 layers – Maximum 7 layers		
Units per layer	10 boxes per layers		
Total pallet height	1,438 m		

<b>PRESENTATION 2,5KG</b>			
<b>PACKAGING</b>	<b>MATERIAL</b>	<b>DIMENSIONS</b>	<b>UNIT WEIGHT</b>
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		

<b>PRESENTATION 50G</b>			
<b>PACKAGING</b>	<b>MATERIAL</b>	<b>DIMENSIONS</b>	<b>UNIT WEIGHT</b>
Primary	Flowpack BOPP Matte + BOPP Metallized	190 mm x 155 mm	51,09 g
Secondary	folding cardboard Enameled reverse side brown	158 mm x 84 mm x 156,5 mm	113,48 g
Tertiary	Card box Enameled reverse side brown	153 mm x 80 mm x 135 mm	1,16 kg
Quaternary	Box C 720 K	414 mm x 178 mm x 346 mm	11,88 kg
Total units per pallet / Approximate weight	45 boxes		559,5 kg
Layers per pallet	3 layers – Maximum 7 layers		
Units per layer	15 boxes per layer		
Total pallet height	1,2 m		

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<b>PRESENTATION 50X6G</b>			
<b>PACKAGING</b>	<b>MATERIAL</b>	<b>DIMENSIONS</b>	<b>UNIT WEIGHT</b>
Primary	Bag BOPP MATE + BOPP MET	90mm x 70mm	6,24g
Secondary	Bag Cast Polypropylene+ LDPE	265mm x 80mm x 32,5mm	318,61g
Tertiary	Box 540 kgf/m C- KRAFT	280mm x 218mm x 169mm	3,05Kg
Total units per pallet / Approximate weight	126 boxes		409Kg
Layers per pallet	7 layers – Maximum 13 layers		
Units per layer	18 boxes per layer		
Total pallet height	1,333 m		

### STORAGE AND TRANSPORTATION REQUIREMENTS

**SHELF LIFE:** 2 years 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.

### SEALS AND CERTIFICATIONS

**PRODUCT:** OU Kosher

**MANAGEMENTS SYSTEMS:** FSSC 22000, ISO 9001, BASC

<b>EDITED BY</b>	<b>REVIEWED BY</b>	<b>APPROVED BY</b>
Packaging Auxiliary	Quality Control Manager Regulatory Affairs Manager Development Technological Professional	Development Technological Director

Calle 13 N° 68 -98. PBX: 447 37 00. Fax: 262 58 42. Bogotá, D.C. – Colombia.  
www.casaluker.com - [www.lukerchocolate.com](http://www.lukerchocolate.com) - lukercacao@casaluker.com.co