

## M0551200-164

Product specification according to the legislation of EU

HB INGREDIENTS  
COCOA HOUSE  
15 CLIFFE INDUSTRIAL ESTATE  
LEWES - EAST SUSSEX  
SUSSEX  
SUSSEX  
BN8 6JL  
UNITED KINGDOM

### Product Specification

**Legal denomination :** Milk chocolate  
**Article :** M0551200-164  
**Commodity code for EU :** 1806.2010

### Typical composition

sugar 40.5%; cocoa butter 24.5%; whole **milk** powder 19.5%; cocoa mass 10.0%; whey powder (**milk**) 5.0%; emulsifier: **soya** lecithin <1%; natural vanilla flavouring <1%

### Delivery form

	EAN	Net weight
BOX	5410522341485	25.000 KG
Shape		Easymelt
Amount per box/bag/each		25KG/BOX
Amount per pallet		40BOX/PAL
Order quantity 25 KG (or multiply of this)		

### Chemical limits

			Ref.Method
MOISTURE	max 1 %		IOCCC1(1952)
TOTAL FAT CONTENT	35.2 %	+/- 1.5	IOCCC14(1972)

### Physical limits

		Ref.Method
LINEAR VISCOSITY	1,575 - 1,925 mPa.s	IOCCC46(2000)
CASSON YIELD VALUE	5.00 - 10.00 Pa	IOCCC46(2000) & 10(1973)
Particle size : 4-8 % of the dry fatfree substance is > 30 microns.		IOCCC116(1990)

### Microbiological limits

		Ref.Method
TOTAL PLATE COUNT (CC)	max 5,000/g	ISO4833
YEASTS	max 50/g	ISO7954
MOULDS	max 50/g	ISO7954
ENTEROBACTERIACEAE	max 10/g	ISO21528-2
COLIFORMS	max 10/g	ISO4832

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for customer 15888

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p. 1 / 4

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E.COLI	absent/g	ISO16649-2
SALMONELLAE	absent/25g	ISO6579

Barry Callebaut works with the latest version of the ISO standard of the reference methods as can be found on the International Standard Organization website <http://www.iso.org>

Alternative methods are also used place of the reference ISO standard after validation through the ISO 16140 scheme by an international recognized reference body (AOAC, Microval, AFNOR e.g.) and complimentary internal validation study on cocoa and chocolate matrices.

**Shelf life**

18 Month (s) after production date

**Nutritional data for 100g (by calculation based on literature data)**

ENERGY VALUE	558 kcal	VITAMIN C L-ASCORBIC ACID	0.399 mg
ENERGY VALUE RI	27.9 %	VITAMIN C RI	0.5 %
ENERGY VALUE	2,336 kJ	VITAMIN D CALCIFEROL	1.329 µg
TOTAL FAT	35.2 g	VITAMIN D RI	26.6 %
TOTAL FAT RI	50.2 %	VITAMIN D (IU)	53
SATURATED FATTY ACID	21.1 g	VITAMIN E ALPHA-TOCOPHEROL	2.494 mg
SATURATED FATTY ACID RI	105.6 %	VITAMIN E RI	20.8 %
MONO UNSATURATED FATTY ACID	11.2 g	VITAMIN E (IU)	4
POLY UNSATURATED FATTY ACID	1.1 g	VITAMIN M FOLIC ACID	10.060 µg
TRANS FATTY ACID (TFA) TOTAL	0.4 g	VITAMIN M RI	5.0 %
CHOLESTEROL	19.6 mg	PHOSPHORUS	194.7 mg
AVAILABLE CARBOHYDRATES	52.3 g	PHOSPHORUS RI	27.8 %
AVAILABLE CARBOHYDRATES RI	20.1 %	IRON	3.09 mg
SUGARS (MONO+DISACCHARIDES)	51.3 g	IRON RI	22.1 %
SUGARS (MONO+DISACCHARIDES) RI	57.0 %	MAGNESIUM	46.3 mg
POLYOLS	0.0 g	MAGNESIUM RI	12.4 %
STARCH	0.5 g	ZINC	0.99 mg
DIETARY FIBRE	1.8 g	ZINC RI	9.9 %
TOTAL PROTEIN	6.8 g	IODINE	4.43 µg
PROTEIN RI	13.6 %	IODINE RI	3.0 %
MILK PROTEIN	5.6 g	CALCIUM	202.9 mg
SALT	0.32 g	CALCIUM RI	25.4 %
SALT RI	5.3 %	CHLORIDE	137.33 mg
SODIUM	127.0 mg	CHLORIDE RI	17.2 %
ORGANIC ACIDS	0.68 g	POTASSIUM	422.5 mg
TOTAL ALKALOIDS	0.12 g	POTASSIUM RI	21.1 %
POLY HYDROXYPHENOLS	0.29 g	MANGANESE	0.01 mg
ALCOHOL	0.00 g	MANGANESE RI	0.5 %
VITAMIN A RETINOL	36.637 µg	FLUORIDE	0.03 mg
VITAMIN A (IU)	122	FLUORIDE RI	1.0 %
VITAMIN B1 THIAMIN	0.098 mg	SELENIUM	3.31 µg

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**p. 2 / 4**

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VITAMIN B1 RI	8.9 %	SELENIUM RI	6.0 %
VITAMIN B2 RIBOFLAVIN	0.505 mg	CHROMIUM	16.15 µg
VITAMIN B2 RI	36.0 %	CHROMIUM RI	40.4 %
VITAMIN B3/PP NIACIN/NICOTIN	0.147 mg	MOLYBDENUM	21.21 µg
VITAMIN B3 RI	0.9 %	MOLYBDENUM RI	42.4 %
VITAMIN B12 CYANO-COBALAMINE	0.482 µg	ASH CONTENT	1.96 g
VITAMIN B12 RI	19.3 %		

RI = Reference Intake

#### Additional allergen information: presence as ingredient or through cross contact on production line

MILK PRODUCTS (EXCL. LACTITOL)	1	HAZELNUTS, ALMONDS	0
LACTOSE	1	HAZELNUT OIL, ALMOND OIL	0
EGGS AND PRODUCTS THEREOF	0	OTHER NUTS *	0
SOY**	1	PEANUTS **	0
FULLY REFINED SOYBEAN OIL/FAT	1	FULLY REFINED PEANUT OIL/FAT	0
LUPIN	0	SESAME PRODUCTS (INCL. OIL/FAT)	0
GLUTEN	0	SESAME OIL	0
WHEAT	0	MUSTARD PRODUCTS	0
RYE	0	SULPHUR DIOXIDE/ SULPHITES IN CONC	0
BUCKWHEAT	0	VANILLIN	1
BEEF	0	CELERY PRODUCTS	0
PORK	0	ALCOHOL	0
CHICKEN	0	ASPARTAME	0
FISH (INCL. SQUID)	0	FRUCTOSE	1
CRUSTACEAE (INCL. SHRIMP/PRAWN, CRAB)	0	SUITABLE FOR VEGETARIANS	1
MOLLUSCS (INCL. ABALONE)	0	SUITABLE FOR VEGANS	0
MAIZE	0		

Legend : 1 = present / suitable 0 = absent / not suitable

Other nuts \* : walnuts, pecan nuts, cashew nuts, pistachio nuts, Brazil nuts, macadamia nuts.

\*\* : excl. fully refined oil/fat

"Suitable for vegans" is based on ingredients list and does not take into account possible cross contact during production.

#### Legal data (calculated according to EU Directive 2000/36/EC)

Dry cocoa solids	35.9 %	+/-1,5
Dry fatfree cocoa solids	4.6 %	+/-0,5
Dry milk solids	20.2 %	+/- 1
Milkfat	5.6 %	+/-0,5

#### Storage conditions

Store the product in a clean, dry (relative humidity max.70 %) and odourless environment.

Storage Temperature : 12 - 20 °C

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p. 3 / 4

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#### Kosher certification

Kosher : None

#### Optional certifications and programs

Cocoa Horizons Foundation	Cocoa Horizons Foundation: cocoa ingredients. Supports the Cocoa Horizons Foundation in countries where the program is operating.
Fair Trade	Any reference to Fairtrade (FT) requires a valid Fairtrade certificate. Traded to Fairtrade Standards. Fairtrade ingredients: cocoa, sugar and vanilla (if applicable)
Fair Trade Sourced Ingr Cocoa	Any reference to Fairtrade / FSI requires a valid Fairtrade certificate. FSI cocoa Fairtrade ingredients: cocoa
Fair Trade Sourced Ingr Sugar	Any reference to Fairtrade/FSI requires a valid Fairtrade certificate.FSI sugar Fairtrade ingredients: sugar
ProTerra soy lecithin MB	ProTerra soy lecithin mass balance ProTerra MB certified ingredients: soy lecithin
Rainforest Alliance MB	Rainforest Alliance - cocoa MB Rainforest Alliance MB ingredients: Cocoa
UTZ cocoa mass balance	UTZ ingredients: Cocoa

#### Reference(s)

Cocoa Horizons Foundation. BC.CBMW25

Please refer to your contract for the option(s) chosen.

Printed on 14.09.2021 for customer HB INGREDIENTS

*Sarah E Sandy,*

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