

## NCL-2C603-045

Product specification according to the legislation of USA

RADER FOODS, INC.  
16390 N.W. 52ND AVENUE  
MIAMI FL 33014  
UNITED STATES

### Product Specification

**Legal denomination :** Unsweetened chocolate  
**Item :** NCL-2C603-045 **Reference :** 804020

### Typical composition

unsweetened chocolate

### Delivery form

	EAN	Net weight	Gross weight
BOX	56797005056	20.412 KG	21.480 KG

Shape	Chunks
Amount per box/bag/each	45LB/BOX
Amount per pallet	40BOX/PAL

### Chemical limits

		Ref.Method
MOISTURE	max 2 %	IOCCC1(1952)
TOT. FAT CONTENT ON DRY MATTER	50.0 - 56.0 %	IOCCC14(1972)
pH	5.3 - 5.9 -	IOCCC15(1972)
TOTAL MILK PROTEIN	< 0,05 ppm	ELISA
PROCESS VALIDATED WITH LOD	< 0,05 ppm TMP (TOTAL MILK PROTEIN)	
MONITORING WITH LOD	< 2,5 ppm TMP (TOTAL MILK PROTEIN)	

### Physical limits

		Ref.Method
FINENESS COULTER 85%<	max 26.00 µm	LASER DIFFRACTION COULTER

### 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
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

Item : NCL-2C603-045  
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#### Microbiological limits

#### Ref.Method

<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

36 Month (s) after production date

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

ENERGY VALUE	510 kcal	VITAMIN B2 RIBOFLAVIN	0.100 mg
ENERGY VALUE	2,135 kJ	VITAMIN B2 (DV)	7.7 %
CALORIES FROM FAT	448 kcal	VITAMIN B3/PP NIACIN/NICOTIN	5.500 mg
TOTAL PROTEIN	12.0 g	VITAMIN B3 (DV)	34.4 %
PROTEIN (DV)	24.0 %	VITAMIN B12 CYANO-COBALAMINE	0.000 µg
MILK PROTEIN	0.0 g	VITAMIN B12 (DV)	0.0 %
TOTAL CARBOHYDRATES	30.4 g	VITAMIN D CALCIFEROL	0.000 µg
TOTAL CARBOHYDRATES (DV)	11.1 %	VITAMIN D (DV)	0.0 %
SUGARS (MONO+DISACCHARIDES)	0.3 g	VITAMIN D (IU)	0
ADDED SUGARS	0.0 g	VITAMIN E ALPHA-TOCOPHEROL	2.800 mg
ADDED SUGARS (DV)	0.0 %	VITAMIN E (DV)	18.7 %
POLYOLS	0.0 g	VITAMIN E (IU)	4
POLYDEXTROSE	0.00 g	VITAMIN M FOLIC ACID	0.000 µg
STARCH	4.8 g	VITAMIN M (DV)	0.0 %
TOTAL FAT	53.5 g	SODIUM	0.0 mg
TOTAL FAT (DV)	68.6 %	SODIUM (DV)	0.0 %
SATURATED FATTY ACID	32.1 g	VITAMIN C L-ASCORBIC ACID	0.000 mg
SATURATED FATTY ACID (DV)	160.5 %	VITAMIN C (DV)	0.0 %
MONO UNSATURATED FATTY ACID	18.0 g	PHOSPHORUS	370.0 mg
POLY UNSATURATED FATTY ACID	1.1 g	PHOSPHORUS (DV)	29.6 %
TRANS FATTY ACID (TFA) TOTAL	0.0 g	CALCIUM	90.0 mg
CHOLESTEROL	0.0 mg	CALCIUM (DV)	6.9 %
CHOLESTEROL (DV)	0.0 %	IRON	20.00 mg
ORGANIC ACIDS	1.50 g	IRON (DV)	111.1 %
DIETARY FIBRE	18.8 g	MAGNESIUM	300.0 mg
DIETARY FIBRE (DV)	67.1 %	MAGNESIUM (DV)	71.4 %
TOTAL ALKALOIDS	1.22 g	ZINC	4.00 mg
CAFFEINE	0.12 g	ZINC (DV)	36.4 %
THEOBROMINE	1.10 g	IODINE	0.00 µg
ALCOHOL	0.00 g	IODINE (DV)	0.0 %
POLY HYDROXYPHENOLS	3.00 g	CHLORIDE	0.00 mg

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VITAMIN A	RETINOL	0.000 µg	POTASSIUM	1,040.0 mg
VITAMIN A	(IU)	0	POTASSIUM (DV)	22.1 %
VITAMIN B1	THIAMIN	0.400 mg	ASH CONTENT	2.60 g
VITAMIN B1	(DV)	33.3 %		

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

MILK PRODUCTS (EXCL. LACTITOL)	0	HAZELNUTS, ALMONDS	0
LACTOSE	0	OTHER NUTS *	0
EGGS AND PRODUCTS THEREOF	0	HAZELNUT OIL, ALMOND OIL	0
SOY**	0	PEANUTS **	0
FULLY REFINED SOYBEAN OIL/FAT	0	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	SULPHITE	0
BUCKWHEAT	0	VANILLIN	0
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	1
CORN	0		

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

Other nuts \* : walnuts, pecan nuts, cashew nuts, pistachio nuts, Brazil nuts, macadamia nuts, chestnuts, pine nuts, hickory nuts and coconuts.

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

#### Storage conditions

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

Storage Temperature : 12 - 20 °C / 54 - 68 °F

#### Kosher certification

##### Kosher Pareve

OK Kosher certificate available on request. Kosher status is confirmed on packaging (only for solid products).

#### Optional certifications and programs

Cocoa Horizons Foundation

Cocoa Horizons Foundation: cocoa ingredients. Supports the Cocoa Horizons Foundation in countries where the program is operating.

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**Reference(s)**

Cocoa Horizons Foundation 804020

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

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