



PRODUCT SPECIFICATION SHEET

JS Refined cocoa butter – POLAR

Description:

Product description:

Ultra-white Edible fat from Theobroma Cocoa

Application:

Designed for preparation of chocolate confectionery, other food products, cosmetics, pharmaceutical and personal care products

Process Description:

Crude cocoa butter is obtained from cocoa beans after which it is refined and deodorized

Production location:

Zaandam, The Netherlands

Nutritional data:

Nutritional values	UoM	Typical values (100g)
Energy	kJ	3770
Energy	kcal	900
Fat	g	100
- Of which Saturated	g	62 – 65
- Of which mono unsaturated	g	31 – 38
- Of which poly unsaturated	g	1.5 – 5.0
Carbohydrate	g	0
- Of which sugar	g	0
Protein	g	0
Fibers	g	0
Sodium	mg	0

Sensory Properties:

Color (at 50°C)	Light Yellowish
Color (at 20°C)	White
Odor	Neutral, slight cocoa aroma
Taste	Neutral, slight cocoa flavor



Specifications and typical values:

Quality and Chemical properties:

Parameter	UoM	Typical value
Acidity (FFA)	%	max. 0.5
Moisture content	%	max. 0.1
Refraction index (nD40)	-	1.448 – 1.452
Peroxide (at loading)	Meq/kg	max. 3.0
Iodine value	gl/100g	32 – 42
Saponification value	mgKOH/g	188 – 198
Unsaponification value	%	max 0.5
Colour (Lovibond 5¼") – Red	-	max. 1.5
Colour (Lovibond 5¼") – Yellow	-	max. 15.0

Free fatty acid profile:

Fatty acid composition	UoM	Typical value
C 12:0 Lauric acid	%	max.0.1
C 14:0 Myristic acid	%	max. 0.2
C 16:0 Palmitic acid	%	23 – 30
C 16:1 Palmitoleic acid	%	max. 0.5
C 18:0 Stearic acid	%	31 – 37
C 18:1 Oleic acid	%	31 – 38
C 18:2 Linoleic acid	%	1.5 – 5.0
C 18:3 Linolenic acid	%	max. 0.3
C 20:0 Arachidic acid	%	0.5 – 1.5
C 22:0 Behenic acid	%	max. 0.2

Technical properties:

Parameter	UoM	Typical value
Solidification point	°C	min. 27.0
Slip melting point	°C	min. 31.0
Clear melting point	°C	min. 32.0

Microbiological properties:

Parameter	UoM	Typical value
Total Plate Count	cfu/g	max. 1000
Yeast	cfu/g	max. 50
Moulds	cfu/g	max. 50
E-coli	/g	Negative
Salmonella	/25g	Negative

Certifications:

FSSC 22000	Yes	Version 5.0
Kosher	Yes	Factory is Kosher certified
Halal	Yes	Factory is Halal certified
UTZ	Yes	Factory is mass balance certified



Allergens:

Allergen	Presence as an ingredient or additive
Gluten (or components thereof)	Not present
Eggs (or components thereof)	Not present
Fish (or components thereof)	Not present
Peanuts (or components thereof)	Not present
Soya (or components thereof)	Not present
Milk and Dairy (or components thereof)	Not present
Lactose (or components thereof)	Not present
Edible nuts (or components thereof)	Not present
Celery (or components thereof)	Not present
Mustard (or components thereof)	Not present
Seeds (or components thereof)	Not present
Lupine (or components thereof)	Not present
Mollusks (or components thereof)	Not present
Sulphur dioxide and Sulphite >10mg/kg	Not present

Transport, Packaging and Storage:

Bulk:

Conditions Transport:	Stainless steel container (for foodstuff only)
Shelf life:	28 days after manufacturing day
Storage conditions:	min 50°C

Boxed:

Distribution Unit	
Weight net / weight gross	25 kgs / 25,48 kgs
Distribution unit dimensions (l/w/h)	40 / 30 / 30 cm
Shelf life	2 years after manufacturing date
Storage conditions	Store in a cool and dry place

Pallet:

Pallet type	Four way pallets HT 100 x 120 cm
Boxes per layer / layers / total	10 / 4 / 40
Weight net/ Weight gross	1000 kgs / 1020 kgs
Dimensions (l/w/h)	100 / 120 / 125 cm

Labeling:

Product name	Yes
Production date	Yes
Expiry date	Yes
Supplier	Yes
Batch / Lot code	Yes – Product / Year / Week / XXX