

Technical Data Sheet

| | | |
|---------------------|--|--|
| Name | Carbon Black cocoa powder | |
| Producer | Olam Cocoa BV | |
| | <ul style="list-style-type: none"> • Stationsstraat 76, 1541LJ Koog aan de Zaan, The Netherlands • Veerdijk 18, 1531MS Wormer, The Netherlands | |
| Nomenclature | According to European Directive 2000/36/EC: According to Codex STAN 105-1981, Rev. 1-2001: According to 21CFR 163.113: | Fat-reduced cocoa powder Fat-reduced cocoa powder Cocoa processed with alkali |

Composition

Cocoa, sodium hydroxide

Sodium hydroxide: >7%, on dry matter, without fat, expressed as potassium carbonates

Labelling of acidity regulators in final product is required based on reverse-carry-over principle

Organoleptic Characteristics

| Parameter | Value | Method |
|-----------|----------------|-----------------|
| Colour | Meets standard | Internal method |
| Flavour | Meets standard | ICA 6/1963 |

Physical and Chemical characteristics

| Parameter | Value | Method |
|--------------------------------|--------------|---|
| Fat content | 10.0 – 12.0% | ICA 37/1990 (Extraction with petroleum ether) |
| pH (in 10% solution) | 7.8 – 8.4 | ICA 15/1972 |
| Fineness (through 75 µm sieve) | 99.5% min. | ICA 38/1990 (Water suspension) |
| Moisture content | 5.0% max. | ICA 1/1952 |

Microbiological characteristics

| Parameter | Value | Method |
|------------------------------|------------------------|-------------|
| Standard Plate Count (cfu/g) | 5000 max. (median 300) | ICA 39/1990 |
| Moulds (cfu/g) | 50 max. (median 5) | ICA 39/1990 |
| Yeasts (cfu/g) | 50 max. (median 5) | ICA 39/1990 |
| Enterobacteriaceae (per g) | Negative to test | ICA 39/1990 |
| E. coli (per g) | Negative to test | ICA 39/1990 |
| Salmonella (per 4x375g)* | Negative to test | ICA 39/1990 |

* Sampled according to the US FDA Bacteriological Analytical Manual for Foods, Food Category I

(EN) Storage – see back of pack. (FR) Stockage - voir au dos de l'emballage. (DE) Lagerung - siehe Packungsrückseite. (NL) Opslag - zie achterkant verpakking. (DA) Opbevaring - se bagsiden af pakken. (IT) Conservazione: vedere sul retro della confezione. (ES) Almacenamiento: ver el reverso del paquete. (PT) Armazenamento - veja o verso da embalagem. (GR) Αποθήκευση - δείτε το πίσω μέρος της συσκευασίας. (SV) Förvaring - se baksidan av förpackningen (PL) Przechowywanie - patrz tył opakowania. (RO) Depozitare - vezi spatele ambalajului.

(EN) Best before – see front of pack. (FR) À consommer de préférence avant - voir le devant de l'emballage. (DE) Haltbarkeit - siehe Packungsvorderseite. (NL) Ten minste houdbaar tot - zie voorkant verpakking. (DA) Bedst før - se forsiden af pakken. (IT) Da consumarsi preferibilmente prima - vedere la parte anteriore della confezione. (ES) Mejor antes: ver el frente del paquete. (PT) Melhor antes - veja a frente da embalagem. (GR) Καλύτερο πριν - δείτε το μπροστινό μέρος του πακέτου. (SV) Bäst innan - se framsidan av förpackningen. (PL) Najlepiej spożyć przed - patrz przód opakowania. (RO) Cel mai bun înainte - consultați partea din față a ambalajului.



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Allergens and sensitizers information

Name Carbon Black cocoa powder

Producer Olam Cocoa BV

- Stationsstraat 76, 1541LJ Koog aan de Zaan, The Netherlands
- Veerdijk 18, 1531MS Wormer, The Netherlands

| Declarable allergens EU ¹ and USA ² | Part of recipe | Used on shared line | As raw material in factory | Comments |
|---|-------------------|---------------------------|----------------------------------|--|
| Gluten | No | No | No | <20 ppm gluten |
| - Wheat | No | No | No | |
| - Rye | No | No | No | |
| - Barley | No | No | No | |
| - Oats | No | No | No | |
| - Spelt | No | No | No | |
| - Kamut | No | No | No | |
| Crustaceans | No | No | No | |
| Egg | No | No | No | |
| Fish | No | No | No | |
| Peanuts | No | No | No | |
| Soy ³ | No | No | No | |
| Milk | No | No | No | |
| (Tree) Nuts | No | No | No | |
| - Almonds | No | No | No | |
| - Hazelnuts | No | No | No | |
| - Walnuts | No | No | No | |
| - Cashews | No | No | No | |
| - Pecan nuts | No | No | No | |
| - Brazil nuts | No | No | No | |
| - Pistachio nuts | No | No | No | |
| - Macademia/Queensland nuts | No | No | No | |
| - Beech nut | No | No | No | |
| - Butter nut | No | No | No | |
| - Chestnut | No | No | No | |
| - Chinquapin | No | No | No | |
| - Coconut | No | No | No | |
| - Ginkonut | No | No | No | |
| - Hickory nut | No | No | No | |
| - Lichee nut | No | No | No | |
| - Pine nut | No | No | No | |
| - Pistachio | No | No | No | |
| - Sheanut | No | No | No | |
| Celery | No | No | No | |
| Mustard | No | No | No | |
| Sesame | No | No | No | |
| Sulphur dioxide and sulphites (expressed as SO ₂) >10ppm | No | No | No | +/- 2ppm present by nature, none added |
| Lupin | No | No | No | |
| Molluscs | No | No | No | |

Allergens and sensitizers information

| Additional allergens EU: LeDa list v2.0 – 2011 | Part of recipe | Used on shared line | As raw material in factory | Comments |
|---|---------------------------|------------------------------------|---|---|
| Lactose | No | No | No | |
| Cocoa | Yes | Yes | Yes | The product is cocoa |
| Glutamate (E620 – E625) | No | No | No | Natural presence of glutamic acid in/from the cocoa protein, none added |
| Corn/maize | No | No | No | |
| Legumes | No | No | No | |
| Beef | No | No | No | |
| Pork | No | No | No | |
| Carrot | No | No | No | |
| Additional allergens – Japan: CAA list – 2013 | Part of recipe | Used on shared line | As raw material in factory | Comments |
| Abalone | No | No | No | |
| Chicken (poultry) | No | No | No | |
| Crab | No | No | No | |
| Gelatin | No | No | No | |
| Mackarel | | | | |
| Shrimp/prawn | No | No | No | |
| Salmon | No | No | No | |
| Salmon roe | No | No | No | |
| Squid | No | No | No | |
| Apples | No | No | No | |
| Banana | | | | |
| Kiwifruit | No | No | No | |
| Manggo | No | No | No | |
| Oranges | No | No | No | |
| Peaches | No | No | No | |
| Mushrooms | No | No | No | |
| Yams | No | No | No | |
| Buckwheat | No | No | No | |
| Other substances of potential interest | Part of recipe | Used on shared line | As raw material in factory | Comments |
| Animal products (other) | No | No | No | |
| Antioxidants | No | No | No | Natural presence of antioxidants, none added |
| Artificial (AZO) colors | No | No | No | |
| - E102 Tartrazine | No | No | No | |
| - E104 Quinoline yellow | No | No | No | |
| - E110 Sunset Yellow FCF Orange Yellow S | No | No | No | |
| - E122 Azorubine | No | No | No | |
| - E124 Ponceau 4R Cochineal Red A | No | No | No | |
| - E129 Allura Red AC | No | No | No | |
| - Other | No | No | No | |
| Artificial sweeteners | No | No | No | |

Allergens and sensitizers information

| | | | | |
|---|----|-----|-----|---|
| Benzoic acid and parabens (E210 – E219) | No | No | No | Approximately 8ppm benzoic acid present by nature, none added |
| BHA/BHT | No | No | No | |
| Cottonseed flour | No | No | No | |
| Flavors (artificial and/or natural) | No | No | No | |
| Latex | No | No | No | |
| Leguminosae | No | No | No | |
| Phenylalanine | No | No | No | Natural presence in the cocoa protein, none added |
| Phosphates | No | No | No | |
| Preservatives (added) | No | No | No | |
| Sorbic acid | No | No | No | |
| Spices | No | No | No | |
| - Cinnamon | No | No | No | |
| - Coriander | No | No | No | |
| - Vanilla | No | No | No | |
| - Cardamom | No | No | No | |
| - Clove | No | No | No | |
| - Nutmeg | No | No | No | |
| Vanillin | No | Yes | Yes | Possible traces due to cross contamination |
| Sugars | No | No | No | Natural presence, none added |
| - Saccharose (sucrose) | No | No | No | |
| - Glucose | No | No | No | |
| - Fructose | No | No | No | |
| Umbelliferae | No | No | No | |
| Vegetable extracts | No | No | No | |
| Vegetable protein | No | No | No | Cocoa contains protein by nature, none added |
| Vitamins | No | No | No | Naturally present, none added |
| Yeast | No | No | No | |

¹ EU: Regulation 1169/2011

² USA: Food Allergen Labeling and Consumer Protection Act of 2004 (Public Law 108-282, Title II)

³ Lots produced before November 2017 may contain traces of soy lecithin due to cross contamination (max 1.5ppm soy protein)

Indicative Nutritional Information

Name **Carbon black cocoa powder**

Producer

Olam Cocoa BV

- Stationsstraat 76, 1541LJ Koog aan de Zaan, The Netherlands
- Veerdijk 18, 1531MS Wormer, The Netherlands

Main components

| | | | | | |
|----------------------------------|------|--------|-------------|------|---------|
| Total fat | 11 | g/100g | Calcium | 150 | mg/100g |
| Moisture | 4 | g/100g | Chloride | 540 | mg/100g |
| Protein | 22 | g/100g | Magnesium | 550 | mg/100g |
| Total carbohydrates ¹ | 48.7 | g/100g | Phosphorous | 700 | mg/100g |
| Theobromine | 2.1 | g/100g | Potassium | 2000 | mg/100g |
| Caffeine | 0.2 | g/100g | Sodium | 2500 | mg/100g |
| Ash | 12 | g/100g | - Iron | 200 | mg/100g |

Minerals

| | | |
|--------|---|---------|
| Zinc | 7 | mg/100g |
| Copper | 4 | mg/100g |

Fat

| | | |
|----------------------|-------|---------|
| Saturated fat | 6.8 | g/100g |
| Mono-unsaturated fat | 3.6 | g/100g |
| Poly-unsaturated fat | 0.4 | g/100g |
| Trans fat | <0.01 | g/100g |
| Cholesterol | <1 | mg/100g |

Vitamins

| | | |
|-------------------------------|-------|---------|
| Vitamin A | <50 | IU/100g |
| Vitamin B1 (thiamine) | 0.1 | mg/100g |
| Vitamin B2 (riboflavin) | 0.5 | mg/100g |
| Vitamin B3 (niacin) | 2.0 | mg/100g |
| Vitamin B5 (pantothenic acid) | 1.5 | mg/100g |
| Vitamin C | <0.1 | mg/100g |
| Vitamin D | <0.05 | µg/100g |
| Vitamin E | <3.5 | IU/100g |

Carbohydrates

| | | |
|-----------------|------|--------|
| Dietary fiber | 30.0 | g/100g |
| Soluble fiber | 5.5 | g/100g |
| Insoluble fiber | 24.5 | g/100g |
| Starch | 11.5 | g/100g |
| Organic Acids | 4 | g/100g |
| Sugars | 1 | g/100g |
| Added sugars | 0 | g/100g |

Energy ²

| | | |
|-----------------|-----|-----------|
| Energy | 284 | kcal/100g |
| Energy from fat | 99 | Kcal/100g |

¹ Total carbohydrates are defined here as 100 – (fat + moisture + protein + theobromine + caffeine + ash)

² Energy calculated according to USDA handbook 74 (revised).

Caloric values: 9 kcal/g for fat; 4 kcal/g for protein and carbohydrates less the amount of insoluble fiber

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