

# Technical Data Sheet

|                 |                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>     | <b>D-11-B</b>                                                                                                                                                                           |
| <b>Product</b>  | <b>Fat-reduced Cocoa powder, Alkalised</b> ( <i>Acidity regulator*: sodium hydroxide (E524), ammonium hydroxide (E527)</i> )                                                            |
| <b>Producer</b> | <b>Olam Cocoa BV</b> <ul style="list-style-type: none"> <li>Stationsstraat 76, 1541LJ Koog aan de Zaan, The Netherlands</li> <li>Veerdijk 18, 1531MS Wormer, The Netherlands</li> </ul> |

## 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 |

\* >7% on dry matter, without fat, expressed as potassium carbonate

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

A certificate of analysis is supplied with each product lot shipped.

## Storage

The optimum storage conditions are at 15-20°C (55-65°F) with RH<50% in a clean, dry, well-ventilated area, away from strong odors.

## Certification options



(1)

[(1) Certification status must be confirmed in the contract]

Kosher



certified

Halal



certified

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## Indicative Nutritional Information

**Name** Cocoa powder type D-11-B

**Producer** Olam Cocoa BV

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

### Main components

|                            |      |        |                                  |      |         |
|----------------------------|------|--------|----------------------------------|------|---------|
| Total fat                  | 11.0 | g/100g | Calcium                          | 150  | mg/100g |
| Moisture                   | 4.0  | g/100g | Chloride                         | 540  | mg/100g |
| Protein                    | 22.0 | g/100g | Magnesium                        | 550  | mg/100g |
| Dietary Fiber              | 30.0 | g/100g | Phosphorous                      | 700  | mg/100g |
| Organic acids              | 4.0  | g/100g | Potassium                        | 2000 | mg/100g |
| Carbohydrates <sup>1</sup> | 12.5 | g/100g | Sodium                           | 2500 | mg/100g |
| - Of which starch          | 11.5 | g/100g | - Salt (2.5 x [Na]) <sup>1</sup> | 6250 | mg/100g |
| - Of which sugars          | 1.0  | g/100g | Iron                             | 200  | mg/100g |
| - Added sugars             | 0.0  | g/100g | Zinc                             | 7    | mg/100g |
| - Polyols                  | 0.0  | g/100g | Copper                           | 4    | mg/100g |
| Theobromine                | 2.1  | g/100g |                                  |      |         |
| Caffeine                   | 0.2  | g/100g |                                  |      |         |
| Ash                        | 12.0 | g/100g |                                  |      |         |

### Fat

|                      |       |         |                               |     |         |
|----------------------|-------|---------|-------------------------------|-----|---------|
| Saturated fat        | 6.8   | g/100g  | Vitamin A                     | <50 | IU/100g |
| Mono-unsaturated fat | 3.8   | g/100g  | Vitamin B1 (thiamine)         | 0.1 | mg/100g |
| Poly-unsaturated fat | 0.4   | g/100g  | Vitamin B2 (riboflavin)       | 0.1 | mg/100g |
| Trans fat            | <0.01 | g/100g  | Vitamin B3 (niacin)           | 2.0 | mg/100g |
| Cholesterol          | <1    | mg/100g | Vitamin B5 (pantothenic acid) | 1.5 | mg/100g |

### Vitamins

|  |  |  |           |       |         |
|--|--|--|-----------|-------|---------|
|  |  |  | Vitamin C | <0.1  | mg/100g |
|  |  |  | Vitamin D | <0.05 | µg/100g |
|  |  |  | Vitamin E | <3.5  | IU/100g |

### Energy <sup>1</sup>

|                 |      |           |
|-----------------|------|-----------|
| Energy          | 309  | kcal/100g |
|                 | 1286 | kJ/100g   |
| Energy from fat | 99   | kcal/100g |
|                 | 407  | kJ/100g   |

<sup>1</sup> Energy, carbohydrates and salt calculated according to Regulation (EU) 1169/2011

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Nutrient content information is indicative of composition but not intended as definitive or complete. It is not intended for use in determining specific nutrient labeling values in finished products containing this ingredient as the responsibility for determining label information lies with the finished product manufacturer. Organic matter such as contained in products of this nature is subject to variation in nutritional composition. We disclaim any and all warranties, whether express or implied, including the implied warranty of merchantability. Our responsibility for claims arising from breach of warranty, negligence or any other cause shall not include consequential, special or incidental damages, even if we have been made aware of the possibility of such damages, and is limited to the purchase price of the product. None of the statements made herein shall be construed as a grant, either express or implied, of any licence under any patent held by Olam or other parties.

## Allergens and sensitizers information

**Name** Cocoa powder type D-11-B

**Producer** Olam Cocoa BV

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

| Declarable allergens<br>EU <sup>1</sup> and USA <sup>2</sup>            | Part of<br>recipe | Used on<br>shared<br>line | As raw<br>material in<br>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                                                                     | 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                               |                                        |
| - Macadamia/Queensland<br>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                               |                                        |
| - Ginko nut                                                             | No                | No                        | No                               |                                        |
| - Hickory nut                                                           | No                | No                        | No                               |                                        |
| - Lichee nut                                                            | No                | No                        | No                               |                                        |
| - Pine nut                                                              | No                | No                        | No                               |                                        |
| - Pili nut                                                              | No                | No                        | No                               |                                        |
| - Sheanut                                                               | No                | No                        | No                               |                                        |
| Celery                                                                  | No                | No                        | No                               |                                        |
| Mustard                                                                 | No                | No                        | No                               |                                        |
| Sesame                                                                  | No                | No                        | No                               |                                        |
| Sulphur dioxide and sulphites<br>(expressed as SO <sub>2</sub> ) >10ppm | No                | No                        | No                               | +/- 2ppm present by nature, none added |
| Lupin                                                                   | No                | No                        | No                               |                                        |
| Molluscs                                                                | No                | No                        | No                               |                                        |

## Allergens and sensitizers information

| Additional allergens<br>EU: LeDa list v2.0 – 2011                           | Part of<br>recipe | Used on<br>shared<br>line | As raw<br>material in<br>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<br>the cocoa protein, none added |
| Corn/maize                                                                  | No                | No                        | No                               |                                                                            |
| Legumes (Leguminosae)                                                       | No                | No                        | No                               |                                                                            |
| Beef                                                                        | No                | No                        | No                               |                                                                            |
| Pork                                                                        | No                | No                        | No                               |                                                                            |
| Carrot                                                                      | No                | No                        | No                               |                                                                            |
| Additional allergens – Japan:<br>CAA list – 2019 <sup>3</sup>               | Part of<br>recipe | Used on<br>shared<br>line | As raw<br>material in<br>factory | Comments                                                                   |
| Abalone                                                                     | No                | No                        | No                               |                                                                            |
| Apple                                                                       | No                | No                        | No                               |                                                                            |
| Banana                                                                      | No                | No                        | No                               |                                                                            |
| Buckwheat                                                                   | No                | No                        | No                               |                                                                            |
| Chicken (poultry)                                                           | No                | No                        | No                               |                                                                            |
| Crab                                                                        | No                | No                        | No                               |                                                                            |
| Gelatin                                                                     | No                | No                        | No                               |                                                                            |
| Kiwifruit                                                                   | No                | No                        | No                               |                                                                            |
| Mackerel                                                                    | No                | No                        | No                               |                                                                            |
| Mushrooms                                                                   | No                | No                        | No                               |                                                                            |
| Oranges                                                                     | No                | No                        | No                               |                                                                            |
| Peaches                                                                     | No                | No                        | No                               |                                                                            |
| Salmon                                                                      | No                | No                        | No                               |                                                                            |
| Salmon roe                                                                  | No                | No                        | No                               |                                                                            |
| Shrimp/prawn                                                                | No                | No                        | No                               |                                                                            |
| Squid                                                                       | No                | No                        | No                               |                                                                            |
| Yams                                                                        | No                | No                        | No                               |                                                                            |
| Misc. additional allergens and<br>other substances of potential<br>interest | Part of<br>recipe | Used on<br>shared<br>line | As raw<br>material in<br>factory | Comments                                                                   |
| Added antioxidants                                                          | No                | No                        | No                               | Natural presence of antioxidants, none<br>added                            |
| Added colors (natural or artificial,<br>incl. AZO colors)                   | No                | No                        | No                               |                                                                            |
| Added flavors (natural or artificial)                                       | No                | Yes                       | Yes                              | Vanillin: Possible traces due to cross<br>contamination                    |
| Added preservatives (incl.<br>BHA/BHT)                                      | No                | No                        | No                               |                                                                            |
| Added sweeteners (natural or<br>artificial)                                 | No                | No                        | No                               |                                                                            |
| Added sugars                                                                | No                | No                        | No                               | Natural presence, none added                                               |
| Added vitamins                                                              | No                | No                        | No                               | Natural presence, none added                                               |
| Animal products (other)                                                     | No                | No                        | No                               |                                                                            |
| Bee pollen, propolis or royal jelly                                         | No                | No                        | No                               |                                                                            |

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## Allergens and sensitizers information

|                                         |    |     |     |                                                                                                              |
|-----------------------------------------|----|-----|-----|--------------------------------------------------------------------------------------------------------------|
| Benzoic acid and parabens (E210 – E219) | No | No  | No  | Approximately 8ppm benzoic acid present by nature, none added                                                |
| Cottonseed flour                        | No | No  | No  |                                                                                                              |
| Latex                                   | No | No  | No  |                                                                                                              |
| Mango                                   | No | No  | No  |                                                                                                              |
| Phenylalanine                           | No | No  | No  | Natural presence in the cocoa protein, none added                                                            |
| Rice                                    | No | No  | No  |                                                                                                              |
| Seeds and products thereof              | No | Yes | Yes | Sunflower seeds: Possible traces due to cross contamination with sunflower lecithin ( $\leq 1.5\text{ppm}$ ) |
| 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  |                                                                                                              |
| Tomato                                  | No | No  | No  |                                                                                                              |
| Umbelliferae                            | No | No  | No  |                                                                                                              |
| Vegetable extracts                      | No | No  | No  |                                                                                                              |
| Vegetable protein (incl. hydrolyzed)    | No | No  | No  | Cocoa contains protein by nature, none added                                                                 |
| Yeast (added)                           | No | No  | No  |                                                                                                              |

<sup>1</sup> EU: Regulation 1169/2011

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

<sup>3</sup> Japan: Food Labelling Standards (Cabinet Office Order No. 10 of 2019)