

Technical Data Sheet

Marlow Bucks SL7 1TB, 07-Mar-2014
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Product number: 645882
 Product name: PEANUT FLAVOURING SPRAY DRIED
 Customer product code/name: 838699 PINDA AROMA

I - Product Characteristics

| | | |
|------|--|------------------------|
| 0838 | Sensory test | comparable to standard |
| 0864 | Color Visual evaluation in sample vial | light yellow to yellow |
| 0864 | Appearance/condition Visual evaluation in sample vial | powder |

Chemical-Physical Properties

| Code | Parameter | Unit | Lower Limit | Upper Limit |
|------|---|------|-------------|-------------|
| 0031 | Water content Karl Fischer, Sample Changer | % | | 6,00 |

Microbiological properties

| Code | Parameter | Unit | Lower Limit | Upper Limit |
|------|-------------------------------------|-------|-------------|-------------|
| 0478 | Total aerobic count Poured Plate | per g | | 1,0E+04 |

Shelf life and Storage conditions

In the original, unopened container, dry, 10 to 30°C storage: 24 months

We guarantee that the product shall have the properties specified herein under the heading "product characteristics". There is no guarantee given, however, express or implied, regarding any other property or that the product shall be fit for any particular purpose. This product specification does not relieve the user from its own inquiries and tests. Our liability for the guarantee given herein is governed by our general terms and conditions of sale.

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II - EU Ingredient List and Permissibility

Country Permissibility:

| | | | |
|--------|-------------|--------------|-------------|
| EU | permissible | Switzerland | permissible |
| Japan | permissible | USA | permissible |
| Norway | permissible | Russian Fed. | permissible |

EC Flavouring Regulation 1334/2008 (EU)

Legal Name:

FLAVOURING

Flavouring Ingredients:

Flavouring preparation(s)
 Flavouring substance(s)

Other Ingredients:

| | | | |
|---------------------------------|--------|---------------------|--------|
| Maltodextrin | | Foodstuffs, carrier | 48,5 % |
| Glyceryl triacetate (triacetin) | E 1518 | Solvent | 17,5 % |
| Gum arabic | E 414 | Stabiliser | 13,5 % |
| Salt | | Foodstuffs, carrier | 7,0 % |

The percentages given refer to quantities added and not to total analytically detectable levels.

The term in brackets after the legal name indicates that the customer should check the permissibility and the label status for the additive(s) used. The wording appears when an additive is not directly permitted for flavours or is permitted in flavours and foodstuff but with different maximum limits. The correct legal name for the flavour acc. Flavour Regulation 1334/2008 (EC) is before the term in brackets.

It is your, our customer's responsibility to ensure that the usage of our flavourings is permitted according to the relevant legislation governing the application for which you intend to use them.

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III - GMO Information

| Status of ingredients | Present |
|---|---------|
| Contains GM protein or DNA | No |
| From potential GMO source, but PCR negative | No |
| From conventional source, identity preserved (IP) | Yes |

Symrise herewith confirm that to the best of our knowledge and belief the above mentioned product does not contain GMO or any ingredients produced from GMO as defined in regulations 1829/2003 and 1830/2003.

Symrise approach is to include not only ingredients as defined in directive 2000/13/EC, article 6 (4) but also additives, solvents and carriers which are ingredients in the flavouring.

Therefore foods containing this product will not be subject to labelling.

Information given is based on statements from our suppliers and the EFA position paper on the clarification of the scope of the new GMO regulations.

IV - Vegetarian Information

| Vegetarian group | Suitability |
|---------------------------|-------------|
| For vegans | Suitable |
| For lacto-vegetarians | Suitable |
| For ovo-lacto-vegetarians | Suitable |

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V - Allergen Information EU Labelling

| EU Allergen Labelling acc. to Directive 2000/13 amended by Directive 2007/68 | Present | Requires labelling |
|---|----------------|---------------------------|
| Cereals containing gluten and products thereof: | | |
| Barley | Not contained | |
| Oat | Not contained | |
| Rye | Not contained | |
| Triticale | Not contained | |
| Wheat | Not contained | |
| Crustaceans and products thereof | Not contained | |
| Eggs and products thereof | Not contained | |
| Fish and products thereof | Not contained | |
| Peanuts and products thereof | Not contained | |
| Soybeans and products thereof | Not contained | |
| Milk and products thereof (including lactose) | Not contained | |
| Nuts and products thereof | Not contained | |
| Celery and products thereof | Not contained | |
| Mustard and products thereof | Not contained | |
| Sesame seeds and products thereof | Not contained | |
| Lupine and products thereof | Not contained | |
| Molluscs and products thereof | Not contained | |
| Sulphite at concentrations of at least 10 mg/kg | Not contained* | |

* The product contains sulfur dioxide < 10 ppm.

Calculated content of gluten:

| | | |
|--------|---------------|--|
| Gluten | Not contained | |
|--------|---------------|--|

Regulation 41/2009 (EC) defines the following gluten labelling for finished food:

- <= 20 ppm : gluten-free
- > 20 ppm - <= 100 ppm: very low gluten

The dosage of our product in finished food needs therefore to be taken into account accordingly.

We have carefully investigated potential cross-contamination of allergenic materials in the manufacture of our products. We have identified and documented the materials that we use that may be derived from potential allergens.

We follow Good Manufacturing Practices and have implemented HACCP systems for all production sites for food flavourings. For each of our production lines we have cleaning schedules specifically based on the particular properties of our raw materials. It is a normal part of our procedures to thoroughly clean all production lines before producing a different product to prevent cross-contamination. Our supply chain personnel are trained on the proper handling of allergenic materials.

This is a general disclaimer.

Due to the complexity of our products and production methods we cannot totally exclude potential cross contamination with wheat and milk ingredients in dry blended products. Liquid and spray dried products are not concerned with potential cross contamination. Before dry blending of kosher or halal certified products wet cleaning of the blender is generally performed.

For further information on this topic we refer to our Allergen Policy.

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VI - Nutritional Information

Nutritional data per 100 g product:

| | |
|-----------------|---------------------|
| Energetic value | 1.199 kJ (283 kcal) |
| Protein | 8,7 g |
| Carbohydrates | 48,5 g |
| Fat content | 0,19 g |

The nutritional information is given to the best of our knowledge and belief but can not be regarded as guaranteed data.

The nutritional data is calculated and rounded and has not been analysed.

Nutritional data of food ingredients, additives and flavouring ingredients are subject to natural variations.

The properties outlined in this product documentation shall not be updated automatically.

Symrise Ltd.

This is a computer printout and has therefore not been signed by hand.