



|   |   |   |
|---|---|---|
|  | <b>PRODUCT SPECIFICATION</b>                                    |  |
|   | <b>PRODUCT NAME</b><br>ORGANIC SAFFRON<br>I – II – III Category |   |

### 1) GENERAL DESCRIPTION

|         |                         |
|---------|-------------------------|
| Product | <i>Crocus Sativus</i>   |
| Origin  | Morocco – Greece – Iran |

### 2) NUTRITIONAL VALUES in 100 g (Average Values - Source: USDA Nutrient Database)



|                        |                  |
|------------------------|------------------|
| Energy value           | 1298 kj 310 kcal |
| Carbohydrates          | 65.37 g          |
| Proteins               | 11.43 g          |
| Fats                   | 5.85 g           |
| • Monounsaturated fats | 0.429 g          |
| • Polyunsaturated fats | 2.067 g          |
| • Saturated fats       | 1.586 g          |
| Minerals               | 2.54 g           |
| Sodium                 | 148 mg           |
| Dietary fibre          | 3.9 g            |

### 3) CHEMICAL-PHYSICAL PARAMETERS

|  |  |                |                 |
|--|--|----------------|-----------------|
| Appearance   | Pistils color from red-orange-size mesh 100-40 US  |                |                 |
| Smell  | Wrap around  |                |                 |
| Taste  | Intense  |                |                 |
| Impieghi   | Food industry and dairy. Mainly used for risotto alla Milanese is also combined with meat (lamb, chicken, rabbit) and some types of seafood (shrimp, clams, squid and scallops). |                |                 |
| Foreign bodies   | Possible presence of floral parts and foreign material (in varying proportions depending on the category)  |                |                 |
| <b>Chemical Paametres</b>  |  |                |                 |
| Humidity   | < 12%  |                |                 |
| Ash  | <8%  |                |                 |
| Picrocrocine (bittering power)<br>E% <sub>1cm</sub> 257nm su ss. | 70 (cat I)   | 55 (cat II)    | 40 (cat III)    |
| Safranal (aroma)<br>E% <sub>1cm</sub> 330nm su ss.               | 20-50 (cat I)  | 20-50 (cat II) | 20-50 (cat III) |
| Crocine (coloring power)<br>E% <sub>1cm</sub> 440nm su ss.       | 200 (cat I)  | 170 (cat II)   | 120 (cat III)   |
| Artificial colours   | None   |                |                 |

### 4) MICROBIOLOGICAL PARAMETERS

|                         |                |
|-------------------------|----------------|
| Bacillus cerus          | < 100000 ufc/g |
| Clostridium perfringens | < 10000 ufc/g  |
| Enterobacteriaceae      | < 50000 ufc/g  |
| Listeria monocytogenes  | Absent in 25g  |
| Salmonelle              | Absent in 25g  |

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#### 5) BIOLOGICAL PARAMETERS

|     |        |
|-----|--------|
| GMO | Absent |
|-----|--------|

#### 6) CERTIFICATIONS

|                     |     |
|---------------------|-----|
| Organic Agriculture | Yes |
| NOP                 |     |
| Bio Suisse          |     |
| JAS                 |     |
| Kosher              |     |
| BRC                 |     |

#### 7) STORAGE AND TRANSPORT CONDITIONS

|         |  |
|---------|--|
| Storage | Store in a cool and dry place. Protect from humidity, heat and source of possible cross contamination. |
| Notes   | Product stored in dedicated warehouse with controlled temperature                                      |

#### 8) PACKAGING AND SHELF LIFE



|             |  |
|-------------|--|
| Packaging   | Jar in PET with caps in PET, double layer paper bag food grade |
| Net weight  | 500 g, 10 kg   |
| Shelf -life | Best before date within 36 months from the production          |

#### 9) SAFETY MEASURES

|                                     |  |
|-------------------------------------|--|
| CAS registry number                 | N.A  |
| Safety data sheet provided          | NO   |
| Legislation reference               | Reg. CE 1272/2008 does not state any safety indications for this type of product |
| Active ingredient                   | None   |
| Hazard statements                   | None   |
| Prevention precautionary statements | None   |

#### 10) REFERENCE LEGISLATION

- Regulation (EC) No. 834/2007 "Production and labelling of organic products"
- Regulation (EC) No. 852/2004 "Hygiene of food products"
- Regulation (EC) No. 1169/2011 "Provision of food information to consumers"
- Regulation (EC) No. 1935/2004 "Food Contact Materials"
- Regulation (EC) No. 1881/2006 "Maximum levels of certain contaminants in food products"

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# 11) ALLERGENS

| Allergens  | Existing inside the product | Existing in the production line | Existing in the storage place | Existing risk of contamination |
|--|-----------------------------|---------------------------------|-------------------------------|--------------------------------|
| Cereals containing gluten: wheat, rye, barley, oat, spelt, khorasan and derived products   | NO                          | NO                              | YES                           | NO                             |
| Shellfish and derived products   | NO                          | NO                              | NO                            | NO                             |
| Molluscs and derived products  | NO                          | NO                              | NO                            | NO                             |
| Eggs and derived products  | NO                          | NO                              | NO                            | NO                             |
| Fish and derived products  | NO                          | NO                              | NO                            | NO                             |
| Peanuts and derived products   | NO                          | NO                              | NO                            | NO                             |
| Soy and derived products   | NO                          | NO                              | YES                           | NO                             |
| Lupin and derived products   | NO                          | NO                              | YES                           | NO                             |
| Milk and derived products (included lactose)   | NO                          | NO                              | NO                            | NO                             |
| Fruit with shell: almonds ( <i>Amigdalus communis L.</i> ), hazelnuts ( <i>Corylus avellana</i> ), walnuts ( <i>Juglans regia</i> ), cashew nuts ( <i>Anacardium occidentale</i> ), pecan nuts [ <i>Carya illinoesis (Wangenh) K.Koch</i> ], Brasile nuts ( <i>Bertolletia excelsia</i> ), pistachio ( <i>Pistacia vera</i> ), Macadamia nuts ( <i>Macadamia ternifolia</i> ) and derived products | NO                          | NO                              | YES                           | NO                             |
| Celery and derived products  | NO                          | NO                              | YES                           | NO                             |
| Mustard and derived products   | NO                          | NO                              | YES                           | NO                             |
| Sesame seeds and derived products  | NO                          | NO                              | YES                           | NO                             |
| Sulphur dioxide and sulphites up to 10 mg/kg or 10 mg/l as SO <sub>2</sub>   | NO                          | NO                              | NO                            | NO                             |

|               |               |               |               |
|---------------|---------------|---------------|---------------|
| Editing       | Control       | Approval      | Last revision |
| February 2020 | February 2020 | February 2020 | February 2020 |