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|---|--------------------------|--|---|----------------|
|  | PRODUCT DATA SHEET       |  | Code<br><b>ET.CAL – 43i</b><br>Review: 03 | Page<br>1 of 2 |
|   | <b>NATURAL OLEIN MIX</b> |  |   |                |
| Date of Issue: 25/07/2015   |                          |  | Effective date: 29/07/2015                |                |

|                    |                |                        |  |            |
|--------------------|----------------|------------------------|--|------------|
| <b>Written by</b>  | Belén Farías   | Laboratory Responsible |  | 25/07/2015 |
| <b>Review by</b>   | Maricel Gaitán | Quality Manager        |  | 29/07/2015 |
| <b>Approved by</b> | Fabián Dadin   | General Manager        |  | 29/07/2015 |

## 1. DESCRIPTION


100% vegetable origin product. It is obtained from a mixture of oleins, rich in essential fatty acids for animals' diet.

## 2. CHARACTERISTICS




Fatty acids are an excellent source of energy, They are composed of monoglycerides, diglycerides and triglycerides and long- chain free fatty acids.

## PRODUCT SPECIFICATIONS

| NATURAL OLEIN MIX                           |   |
|---|---|
| <b>Physicochemical Properties</b>           |   |
| Appearance                                  | Oily substance, black or dark brown. Characteristic strong odor |
| Moisture                                    | 2% (max)  |
| Acidity expressed as Oleic Acid             | 30% (max)   |
| Peroxide Value                              | 5 meq O <sub>2</sub> /kg (max)                                  |
| Viscosity                                   | 50 poises (max)   |
| Insoluble impurities                        | 1% (max)  |
| Iodine (Wijs)                               | 115 g I <sub>2</sub> /100 g (min)                               |
| Melting Point                               | 20°C (max)  |
| Antioxidants (BHT)                          | 1 mg/kg (max)   |
| Citric Acid                                 | 1 mg/kg (max)   |
| Total Phospholipids                         | 25 % (min)  |
| <b>Nutrition Facts/ Fatty Acids Profile</b> |   |
| Energetic Value                             | 900 Kcal /100 g   |
| Total Fats                                  | 98%   |
| Myristic Acid (C14:0)                       | <0.1%   |
| Myristic Acid (C14:1)                       | <0.1%   |
| Palmitic Acid (C16:0)                       | 14%   |
| Palmitoleic Acid (C16:1)                    | <0.1%   |
| Stearic Acid (C18:0)                        | 4%  |
| Oleic Acid (C18:1)                          | 15%   |
| Linoleic Acid: Omega 6 (C18:2)              | 50%   |
| Linolenic acid: Omega 3 (C18:3)             | 8%  |
| Gadoleic Acid (C20:1)                       | 0.2%  |
| Arachidonic Acid (C20:4)                    | <0. %   |
| Behenic Acid (C22:0)                        | 0.4%  |
| Erucic Acid (C22:1)                         | <0.1%   |
| Lignoceric Acid (C24:0)                     | 0.2%  |

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### 3. PACKAGING

|                   |  |
|-------------------|--|
| IN BULK IN TRUCKS |  |
| FLEXITANKS        |  |
| ISOTANKS          |  |

### 4. STORAGE CONDITIONS

Store in steel tanks with agitators, if possible.

At temperatures below 15 ° C, it tends to increase viscosity and separate phases, so gentle agitation before use is needed.

### 5. SHELF LIFE

Can be kept for up to 12 months, following storage conditions.

### 6. USES

Its industrial use is classified for the following activities:

Animal feed, especially for salmon, fish, chickens, pigs. Has a high nutritional energy intake equivalent to 900kcal/100g. It favors development, growth and fattening of animals, especially fish.