

## CSC-801 Material Specification Data ORGANIC HIGH OLEIC SUNFLOWER OIL, RBWD

| Property                   | Typical Analysis          | Method                     |
|----------------------------|---------------------------|----------------------------|
| Appearance                 | Clear, Pale Yellow liquid | Visual                     |
| Color (Lovibond)           | 2.0 Red Max               | AOCS Cc 13b-45, 5-1/4 cell |
| Free Fatty Acids (% oleic) | 0.10% Max                 | AOCS Ca 5a-40              |
| Peroxide Value             | 2.0 mEq/kg Max*           | AOCS Cd 8b-90              |
| Iodine Value               | 78 - 95 cg/g              | AOCS Cd 1d-92              |
| Moisture                   | 0.10% Max                 | AOCS Ca 2e-84              |

\*Maximum result at packaging as an oil's peroxide value can increase. This increase does not denote the oil is rancid.

| Typical Fatty Acid Profile (%) |                | AOCS Ce 1e-91 |
|--------------------------------|----------------|---------------|
| C16:0                          | Palmitic Acid  | 5.5 Max       |
| C18:0                          | Stearic Acid   | 6.2 Max       |
| C18:1                          | Oleic Acid     | 75 - 91       |
| C18:2                          | Linoleic Acid  | 17 Max        |
| C18:3                          | Linolenic Acid | 0.3 Max       |

| Nutritional Information |            |                        |                              |
|-------------------------|------------|------------------------|------------------------------|
|                         | Per 100 gm | Per 14 gm<br>(1 Tbsp.) | % DV* per 14 gm<br>(1 Tbsp.) |
| Calories                | 900        | 120                    | --                           |
| Fat (g)                 | 100        | 14                     | 18                           |
| Saturated (g)           | 7.4        | 0.5                    | 7                            |
| Trans Fat (g)           | <1.0       | 0                      | --                           |
| Monounsaturated Fat (g) | 84.0       | 12                     | --                           |
| Polyunsaturated Fat (g) | 7.9        | 1.5                    | --                           |
| Cholesterol (mg)        | 0          | 0                      | 0                            |
| Sodium (mg)             | 0          | 0                      | 0                            |
| Total Carbohydrate (g)  | 0          | 0                      | 0                            |

Product Name: Organic High Oleic Sunflower Oil, RBWD

Revision Number: 12

Specification Number: CSC-801

Reason for Revision: changed to a max spec of 2.0 red for color

Date: 1/02/2018

Reviser: Christina S. Oopara

Date of Approval: 1/2/2018

Approved By: *Daniel Adigun, Director of QA*

This information without warranty expressed or implied, except that it is accurate to best knowledge of the Company and is based on information considered to be reliable. Since the conditions of handling and use are beyond our control, we make no guarantee of results or performance of the material and assume no responsibility for damages incurred by use of this material.

|                                                                                                                                                               |       |     |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|----|
| Dietary Fiber (g)                                                                                                                                             | 0     | 0   | 0  |
| Total Sugars (g)                                                                                                                                              | 0     | 0   | 0  |
| Added Sugars (g)                                                                                                                                              | 0     | 0   | 0  |
| Protein (g)                                                                                                                                                   | 0     | 0   | 0  |
| Vitamin D (mcg)                                                                                                                                               | 0     | 0   | 0  |
| Calcium (mg)                                                                                                                                                  | 0     | 0   | 0  |
| Iron (mg)                                                                                                                                                     | 0     | 0   | 0  |
| Potassium (mg)                                                                                                                                                | 0     | 0   | 0  |
| Vitamin E (mg)                                                                                                                                                | 41.08 | 5.8 | 39 |
| *The % Daily Value tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice. |       |     |    |

**Ingredients Statement:** High Oleic Sunflower Oil

**Country of Origin:** USA, and EU27 (The Netherlands)

**Applications:**

High-Oleic Sunflower Oil is commonly used in the food industry in conditions with extra high cooking temperatures, and is well suited for baking and frying. The high level of oleic acid, a monounsaturated fat, is recommended for a healthier diet. Furthermore, it renders stability to the oil, almost twice that of traditional sunflower. Sunflower oils are also used in cosmetic formulations as an emollient, and as carrier molecules in pharmaceuticals.

**Claims:**

Kosher Pareve Certified      Organic (Certified by QAI)      Halal Compliant (not certified)

**Process Flow:**

Expeller pressed from organic hybridized seed kernel of the Helianthus annuus plant (Sunflower) without the use of chemical solvents. The oil is then refined, bleached, winterized, and deodorized by certified organic processes.

**Status of Ingredient Statement:**

High Oleic Sunflower Oil is considered suitable for Vegan diets, Lactose Free, Gluten Free, Glutamate Free, BSE Free.

**Packaging & Availability:**

Contact your Sales Representative about packaging options and product availability.

|                                                             |                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------|
| <b>Product Name:</b> Organic High Oleic Sunflower Oil, RBWD | <b>Revision Number:</b> 12                                      |
| <b>Specification Number:</b> CSC-801                        | Reason for Revision: changed to a max spec of 2.0 red for color |
| <b>Date:</b> 1/02/2018                                      | Reviser: Christina S. Oopara                                    |
| <b>Date of Approval:</b> 1/2/2018                           | Approved By: <i>Daniel Adigun, Director of QA</i>               |

This information without warranty expressed or implied, except that it is accurate to best knowledge of the Company and is based on information considered to be reliable. Since the conditions of handling and use are beyond our control, we make no guarantee of results or performance of the material and assume no responsibility for damages incurred by use of this material.