

## JD Jojoba Colorless Oil (Colorless Jojoba Oil) Specification Data Sheet

### Product Details:

|                              |                                                             |
|------------------------------|-------------------------------------------------------------|
| <b>Commercial Name:</b>      | JD Jojoba Colorless Oil (Former name: Colorless Jojoba Oil) |
| <b>INCI Name:</b>            | <i>Simmondsia chinensis</i> (Jojoba) Seed Oil               |
| <b>CAS No.:</b>              | 90045-98-0/ 61789-91-1                                      |
| <b>EINECS:</b>               | 289-964-3                                                   |
| <b>Production Method:</b>    | Cold pressed, bleached with natural bleaching clay          |
| <b>Storage requirements:</b> | Keep away from direct sunlight and excessive heat or cold   |
| <b>Version Number:</b>       | 1.3                                                         |

### Analysis Results:

| Parameters                   | Method                      | Units                  | Range       |
|------------------------------|-----------------------------|------------------------|-------------|
| Peroxide Value (P.V.)        | USP                         | meq O <sub>2</sub> /Kg | Max: 2      |
| Acid Value                   | EP, USP                     | mg KOH/gr              | Max: 1.0    |
| Iodine Value                 | USP                         | cgl <sub>2</sub> /gr   | 80-92       |
| Bacteria Total Count         | Israeli standard 885 Part 3 | CFU/g                  | Max: 50     |
| Mold                         | FDA BAM Chapter 23          | CFU/g                  | Max: 50     |
| TAMC- Yeast                  | FDA BAM Chapter 23          | CFU/g                  | Max: 50     |
| Specific Gravity             | AOAC Cc 10C-95              | gr/ml                  | 0.86-0.873  |
| Melting Point                | AOCS Cc 3b-92               | °C                     | 7-9°C       |
| Refractive Index (40°C)      | AOAC,2000,41.1.07           | -                      | 1.450-1.470 |
| Moisture (Karl Fischer)      | AOAC 969.38                 | g/100g                 | Max: 0.1%   |
| Saponification Value         | AOAC,2000,920.160           | mg KOH/gr              | 85-98       |
| Unsaponifiable matter        | AOAC,2000,920.160           | %                      | 45-55       |
| VOC Scan (GC/MS)             | EPA-8260                    | mg/Kg                  | N.D.        |
| Pesticides Residues by LC/MS | PAM 304 Quenchers           | mg/Kg                  | N.D.        |
| Cd- Cadmium                  | ICP-MS                      | mg/Kg                  | Max: 1.0    |
| Hg-Mercury                   | ICP-MS                      | mg/Kg                  | Max: 0.1    |
| Pb-Lead                      | ICP-MS                      | mg/Kg                  | Max: 0.1    |
| Color Lovibond Red           | AOCS Cc 13e-92              | Lovibond               | Max: 1.0    |
| Color Lovibond Yellow        | AOCS Cc 13e-92              | Lovibond               | Max: 3.0    |
| Color Gardner                | AOCS Td 1a-64               | Gardner                | Max: 1.0    |

### Fatty Acid Composition

| Typical Values          | Units | Range     |
|-------------------------|-------|-----------|
| Palmitic acid C 16:0    | %     | 0-3.0     |
| Palmitoleic acid C 16:1 | %     | 0-3.0     |
| Oleic acid C 18:1       | %     | 5.0-15.0  |
| Gadoleic acid C 20:1    | %     | 65.0-80.0 |
| Behenic acid C 22:0     | %     | 0.0-1.0   |
| Erucic acid C 22:1      | %     | 10.0-20.0 |
| Nervonic acid C 24:1    | %     | 0.0-3.0   |
| Other                   | %     | 0.0-3.0   |

#### Storage:

Keep the product in the original container well closed in a clean dry room, at room temp. Around 20-25 °C. Avoid long storage at temperature above 25 °C. Avoid humidity, light or heat sources.  
Shelf life under storage requirements are 24 months from production date, in sealed original container.

#### Safety Declaration:

JD Jojoba Desert complies with the EC No. 1223/2009 on cosmetic products and its annexes and amendments. All ingredients are of Non-GMO origin, Non-Allergenic, and Non-Mutagenic.

For further info. Please refer to our site [www.jojobadesert.com](http://www.jojobadesert.com)

We are committed to the quality of our products. For Quality Assurance support please refer your mail to [qa@jojobadesert.com](mailto:qa@jojobadesert.com)

The information included in this Specification Data Sheet does not discharge you from the control of the product before the use. "Jojoba Desert" does not take liability for any damage to people or property for improper use. The current Specification Data Sheet replaces and cancels every previous version.

#### **Authorized Signatory & Stamp: January 9, 2019**

Merav Hadary  
QA Manager



\* Shelf Life is valid for the products that are kept in their original unopened container, away from direct sunlight and excessive heat or cold. During storage the Jojoba wax can develop a slight sedimentation at the bottom of the drum.

\*\* This data is tested periodically by independent ISO/IEC 17025/ (2005) certified laboratory