



# Certificate of Analysis

|                         |            |
|-------------------------|------------|
| Date                    | 01.10.2022 |
| Time                    | 10:00hrs   |
| Customer Account Number | D1187-0    |
| Order                   | KS058057   |

**Description:** Hemp Oil, CP, Organic

**Lot No:** 263575

**Inci Name:** Cannabis Sativa Seed Oil

**Cas Nos:** 89958-21-4

**Einecs No:** 289-644-3

| ANALYTICAL DETAILS                        | RANGE                  | RESULT   |
|---|------------------------|----------|
| COLOUR                                    | Green to dark green    | Conforms |
| PHYSICAL STATE                            | Oily liquid            | Conforms |
| ODOUR                                     | Earthy                 | Conforms |
| COLOUR LOVIBOND                           | ≤ 2.0 Red, ≤ 10 Yellow | Conforms |
| REFRACTIVE INDEX @20°C                    | 1.450 – 1.490          | Conforms |
| SPECIFIC GRAVITY @20°C                    | 0.920 – 0.940          | 0.922    |
| FREE FATTY ACID (% AS OLEIC)              | ≤ 5.0                  | Conforms |
| IODINE VALUE (CALC)                       | 150 - 175              | 168      |
| PEROXIDE VALUE (Meq O <sub>2</sub> / kg)  | ≤ 10.0                 | 5.1      |
| SAPONIFICATION VALUE                      | 185 - 205              | Conforms |
| ACID VALUE                                | ≤ 8.0                  | 0.8      |
| TETRAHYDROCANNABINOL (THC)                | < 10,ppm               | Conforms |
| Sum Of B(A)P, B(A)A, B(A)F And Chrysene   | <5                     | 3.4      |
| Sum Of Dioxins And Furans (As Who-Pcdd/F- | <0.75                  | <0.172   |
| Sum Of Dioxins; Furans, Dioxin-Like Pcb'S | <1.25                  | <0.276   |
| Thc Tetrahydrocannabinol (Hemp) ppm       | <6                     | 5.23     |
| Total Viable Count (TVC) (cfu/g)          | <1000                  | <10      |

|   | ACID VALUE      | C-CHAIN | RANGE       | RESULTS |
|---|-----------------|---------|-------------|---------|
| <b>FATTY ACID<br/>PROFILE<br/>(MAJOR<br/>ACIDS)</b> | PALMITIC        | C16:0   | 5.0 – 12.0  | 6.7     |
|   | PALMITOLEIC     | C16:1   | ≤1.0        | ≤1.0    |
|   | STEARIC         | C18:0   | 1.0 – 4.5   | 3.0     |
|   | OLEIC           | C18:1   | 8.0 – 16.0  | 13.7    |
|   | LINOLEIC        | C18:2   | 45.0 – 65.0 | 57.1    |
|   | ALPHA LINOLENIC | C18:3   | 14.0 – 30.0 | 17      |
|   | GAMMA LINOLENIC | C18:3   | ≤ 5.0       | ≤ 5.0   |
|   | ARACHIDIC       | C20:0   | ≤ 2.0       | ≤ 2.0   |
|   | GADOLEIC        | C20:1   | ≤ 1.0       | ≤ 1.0   |

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