



CERTIFICATE OF ANALYSIS

Product Name : SAFFRON OIL
Botanical Name : Crocus sativus
Product : IND 12546
CAS # : 8745-25-3 ; 2145-21-1 and 6547-85-0
EINECS # : 321-854-0 and 654-054-5

Batch # : 5418795
Manufacturing Date : JUNE 2025
Best Before Date : MAY 2027

Extraction Method : Extraction of Organic Argan oil , Safflower oil & Almond oil

Quality : 100% Pure and Natural

| PROPERTIES | SPECIFICATIONS | RESULTS |
|--------------------------------|--|----------|
| Appearance | Reddish orange colored liquid | CONFORMS |
| Odour | Characteristic deep, musky, earthy aroma | CONFORMS |
| Refractive Index | 1.460 - 1.480 @ 20°C | 1.547 |
| Specific Gravity (g/mL) | 0.900 - 0.930 @ 20°C | 0.874 |
| Saponification Value (mgKOH/g) | 180 - 200 | 195 |
| Solubility | Soluble in cosmetic esters and fixed oils; Insoluble in water | CONFORMS |

| | |
|----------|----------------------------|
| Comments | Odour quality is excellent |
|----------|----------------------------|

| MICROBIAL ANALYSIS | SPECIFICATIONS | STANDARDS | RESULTS |
|------------------------------------|----------------|-----------|----------|
| Aerobic Mesophilic Bacterial Count | < 100 CFU/g | ISO 21149 | CONFORMS |
| Yeast and Mould | < 10 CFU/g | ISO 16212 | CONFORMS |
| Candida albicans | ABSENT / 1g | ISO 18416 | CONFORMS |
| Escherichia coli | ABSENT / 1g | ISO 21150 | CONFORMS |
| Pseudomonas aeruginosa | ABSENT / 1g | ISO 22717 | CONFORMS |
| Staphylococcus aureus | ABSENT / 1g | ISO 22718 | CONFORMS |



| HEAVY METAL TESTS | SPECIFICATIONS | STANDARDS | RESULTS |
|----------------------------|----------------|-----------|----------|
| Lead: Pb (mg/kg or ppm) | < 10 ppm | na | CONFORMS |
| Arsenic: As (mg/kg or ppm) | < 2 ppm | na | CONFORMS |
| Mercury: Hg (mg/kg or ppm) | < 1 ppm | na | CONFORMS |

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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