

CERTIFICATE OF ANALYSIS

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| Product Name | CARROT ROOT OIL |
| Botanical Name | Daucus carota |
| Product Code | PIO5005 |
| INCI Name | Helianthus Annus Seed Oil, Daucus Carota Extract |
| CAS# | 8001-21-6, 84929-61-3 |
| EINECS# | 232-273-9, 284-545-1 |

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|---------------------------|---------------|
| Batch # | 50772311 |
| Manufacturing Date | NOVEMBER 2023 |
| Best Before Date | NOVEMBER 2025 |

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| Extraction Method | Infusion of active carotenoid compounds of Daucus carota roots in Helianthus Annus (Sunflower) Seed Oil |
| Quality | 100% Pure and Natural |

| <u>PROPERTIES</u> | <u>SPECIFICATIONS</u> | <u>RESULTS</u> |
|--------------------------------|--|-----------------------|
| Appearance | Yellowish to orange colored liquid | CONFORMS |
| Odour | Sweet, earthy, characteristic carrot-like | CONFORMS |
| Refractive Index | 1.455 - 1.480 @ 20°C | 1.473 |
| Specific Gravity (g/mL) | 0.865 - 0.910 @ 20°C | 0.898 |
| Solubility | Soluble in cosmetic esters and fixed oils; Insoluble in water | CONFORMS |

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|-----------------|---------------------------|
| Comments | Odor quality is excellent |
|-----------------|---------------------------|

| <u>MICROBIAL ANALYSIS</u> | <u>SPECIFICATIONS</u> | <u>STANDARDS</u> | <u>RESULTS</u> |
|---|------------------------------|-------------------------|-----------------------|
| 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 |

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| <u>HEAVY METAL TESTS</u> | <u>SPECIFICATIONS</u> | <u>STANDARDS</u> | <u>RESULTS</u> |
|-----------------------------------|-----------------------|------------------|----------------|
| 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.

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