



NHR ORGANIC OILS
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Certificate of Analysis Sheet

Organic Wheatgerm Oil

(*Triticum vulgare*)

| | | | |
|---|------------------------|--------------------------|--|
| Trade Name: | Wheatgerm Oil Organic | INCI Name: | <i>Triticum Vulgare (Wheatgerm) Germ Oil</i> |
| CAS No: | 68917-73-7 / 8006-95-9 | EC No: | 281-689-7 |
| Batch No: | 060323-1 | Country of Origin | USA |
| Description: The oil is obtained by cold pressing / expression from the wheat germ <i>Triticum vulgare</i> , <i>Poaceae</i> . | | | |

| ANALYTICAL DETAILS | UNIT | RANGE | RESULT |
|--------------------------|------------------------|---|----------|
| Appearance @ 20°C | Organoleptic | Clear oily mobile liquid sometimes hazy | Conforms |
| Colour | Organoleptic | Yellow to green to brown | Conforms |
| Odour | Organoleptic | Characteristic | Conforms |
| Refractive Index @ 20°C | - | 1.472 – 1.478 | 1.474 |
| Specific Gravity @ 20°C | g/ml | 0.920 – 0.930 | 0.920 |
| Acid Value | mg KOH/g | ≤ 5.0 | 2.5 |
| Peroxide Value | meq O ₂ /kg | ≤ 10.0 | 4.3 |
| Saponification Value | mg KOH/g | 180 – 195 | 192.7 |
| Iodine Value | mg/g | 120 – 135 | 128.4 |
| Unsaponifiable Matter | % | ≤ 5.0 | 4.3 |
| Vitamin E Content | mg/kg | ≥ 2500 | 2580 |
| Gluten Content | ppm | ≤ 5.0 | Conforms |
| Flash Point (Closed Cup) | °C | >300° | Conforms |

| TYPE | ACID NAME | UNIT | RANGE | RESULT |
|-------|-------------|------|---------|--------|
| C16:0 | Palmitic | % | 14 – 19 | 17.5 |
| C18:0 | Stearic | % | ≤ 2.0 | 0.8 |
| C18:1 | Oleic | % | 12 – 23 | 17.2 |
| C18:2 | Linoleic | % | 52 – 59 | 55.2 |
| C18:3 | α-Linolenic | % | 3 – 10 | 5.9 |

Storage: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

Shelf Life: Once opened the shelf life of the oil is limited by temperature, light and oxygen exposure.