

# echium seed oil



## Nature's Crops Refined Echium Seed Oil

### Product Data Sheet

*Nature's Crops Refined Echium seed oil* is obtained from the seeds of the Echium plantagineum plant. Echium seed oil is uniquely rich in the essential fatty acids, stearidonic acid (SDA) and gamma linolenic acid (GLA). Our refining process is ISO 22000 certified and Nature's Crops Echium seed oil, which is non-GM, can be produced to Kosher, or Halal standards. All crops are closely monitored and then processed to demanding standards to comply with Nature's Crops International's proprietary *Crop Assured 365*<sup>®</sup> system of quality control and traceability protocols.

### Typical Data

|                                 |                        |
|---------------------------------|------------------------|
| Appearance @ 25°C               | Light to Dark Yellow   |
| Odor and Flavor                 | Slight, Characteristic |
| Saponification Value (mg KOH/g) | 190 - 205              |
| Specific Gravity (g/g)          | 0.92 - 0.94            |
| Peroxide Value (meq/kg)         | 5 Max                  |
| Iodine Value (cg/g)             | 180 - 220              |
| Unsaponifiable Matter (%)       | 2 Max                  |
| Refractive Index @ 20°C         | 1.470 - 1.490          |
| Microbiology                    | Pass                   |
| Stearidonic Acid (C18:4)        | 11 - 17                |
| Gamma Linolenic Acid (C18:3)    | 7 - 12                 |
| Linoleic Acid (C18:2)           | 9 - 16                 |
| Alpha Linolenic (C18:3)         | 25 - 40                |

### Applications

Nutraceuticals, health supplements, medicinal foods & personal care products

### Packaging

Available in 190 kg. (490 lb.) drums & 20 kg. (44 lb.) pails

### Shipping & Handling

Ship & Store in a cool, dry area. Cold storage is optimal.

### Allergens

None



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This data presented is offered solely for evaluation. Actual analytical values will vary based on customer requirements.

For information on availability and pricing contact NCI.

Issued 06/09/2015