

William Hodgson & Co

----- Established 1894 -----

Specification Sheet

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|----------------------|---|
| Product Name: | Peanut Oil |
| Company Name: | William Hodgson & Company 'The Dairy', Gawsworth Business Court Shellow Lane, North Rode, Congleton, Cheshire. CW12 2FQ |
| Telephone Number: | 01260 222 943 |
| Fax Number: | 01260 222 994 |
| Mobile Number: | 07795 414 061 |
| E-Mail Address: | whodgson@btconnect.com |
| Web Address: | www.naturaloilsuk.com |
| Description: | Produced by the refining, bleaching and deodorising of the crude oil, obtained from the shelled seeds of <i>Arachis Hypogaea</i> . Solidifies at 2°C. |

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| Analytical details: | |
| Appearance: | Clear, bright, pale yellow viscous liquid. |
| Solubility: | Very slightly soluble in alcohol, miscible with Light petroleum. |
| Identification: | Positive |
| Acid Value: | 0.5 maximum |
| Free Fatty Acid Value: | 0.25 maximum |
| Peroxide Value meq/kg: | 5.0 maximum |
| Relative Density: | 0.912 – 0.918 |
| Unsaponifiable Matter: | 1.0% maximum |
| Saponification Value: | 186 - 196 |
| Refractive Index @ 40°C: | 1.4625 – 1.4650 |
| Iodine Value: | 80 - 107 |



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Peanut Oil

Analytical Details continued:

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| Colour Lovibond 5.25" cell: | 25 Yellow maximum 2.0 Red maximum |
| Water: | 0.3% maximum |
| Semi-drying oil test: | 36° minimum |
| Alkaline Impurities: | Complies with test |
| Absence of Cotton, Sesame, Apricot & Peach Kernel oils: | Complies with test |

Fatty Acid Composition:

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| Saturated Fatty Acids less than C16 | : | 0.4% maximum |
| C16:0 Palmitic Acid | : | 7 - 16 |
| C18:0 Stearic Acid | : | 1.3 - 6.5 |
| C20:0 Arachidic Acid | : | 0.5 - 3 |
| C22:0 Behenic Acid | : | 1 - 5 |
| C24:0 Lignoceric Acid | : | 0.5 - 3 |
| Typical Total Saturates | : | 17 |
| C18:1 Oleic Acid | : | 35 - 72 |
| C20:1 Eicosenoic Acid | : | 0.5 - 2.1 |
| C22:1 Erucic Acid | : | 0.5% maximum |
| Typical Total Monounsaturates | : | 63 |
| C18:2 Linoleic Acid | : | 13 - 43 |
| Typical Total Polyunsaturates | : | 20 |
| C18:3 Linolenic Acid | : | 0.6% maximum |
| Ratio of Linoleic Acid to Behenic Acid | : | 15 maximum |

Disclaimer:

The information contained herein is accurate to the best of our knowledge.
No liability can be accepted arising out of the use, application or processing of this material.
It is the users responsibility to determine safe conditions for the use of this product.

