

| ANALYSES | SANAS Accredited a SANAS Accredited Testing laboratory, No. T0393 |
|---|---|
| Nutritional Analyses | |
| % Moisture | Yes |
| % Ash | Yes |
| % Protein (% Nitrogen included in protein analysis) | Yes |
| % Total fat and Fatty Acid Profile (Including the following): | Yes |
| % Saturated Fat | Yes |
| % Mono unsaturated fat | Yes |
| % Poly unsaturated fat | Yes |
| % Trans fat | Yes |
| % Omega 3 (EPH/DHA), 6 & 9 | Yes |
| mg Cholesterol | Yes |
| % Glycaemic carbohydrates | Yes |
| % Total sugars: (Used for Glycaemic Carbohydrates) | Yes |
| % Fructose | Yes |
| % Glucose | Yes |
| % Sucrose | Yes |
| % Maltose | Yes |
| % Galactose | Yes |
| % Trehalose | Yes |
| % Lactose | Yes |
| % Starch (Used for Glycaemic Carbohydrates) | Yes |
| % Total dietary Fibre | Yes |
| mg Sodium | Yes |
| KJ/100g Energy (by calculation) | Yes |
| % Carbohydrates (Calculated) | Yes |

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| Chemical Analyses | |
| % Total dietary Fibre (Part of full nutritional analyses) | Yes |
| & Total dietary fibre (Including fat, moisture and sugar) | Yes |
| % Soluble and Insoluble dietary fibre | No |
| pH | No |
| Brix | No |
| % Acidity (total acidity) | Yes |
| % Salt (as NaCL) | Yes |
| Peroxide value (milli equivalence) on fat or oil | No |
| Peroxide value (food products containing < 20% fat | No |
| % Free fatty acids- (By titration only on fats or oils) | No |
| & Free fatty acids (Food products containing < 20% fat) | No |
| ppm Sulphur dioxide | No |

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| Vitamins Analyses | |
| Vitamin A- Retinol | Yes |
| Vitamin E- Tocopherol | Yes |
| Vitamin C- Ascorbic acid | Yes |
| Vitamin B1- Thiamine | Yes |
| Vitamin B2- Riboflavin | Yes |
| Vitamin B3- Niacin | Yes |
| Vitamin B5- Pantothenic acid | No |
| Vitamin B6- Pyridoxine | Yes |
| Vitamin B7- Biotin | No |

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| Vitamin B9- Folic acid | No |
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| Elemental Analyses | |
| Aluminium (ICP-OES analysis) | No |
| Arsenic (ICP-OES analysis) | Yes |
| Barium (ICP-OES analysis) | No |
| Bismuth (ICP-OES analysis) | No |
| Boron (ICP-OES analysis) | No |
| Cadmium (ICP-OES analysis) | Yes |
| Calcium (ICP-OES analysis) | Yes |
| Chromium (ICP-OES analysis) | No |
| Cobalt (ICP-OES analysis) | No |
| Copper (ICP-OES analysis) | Yes |
| Gallium (ICP-OES analysis) | No |
| Indium (ICP-OES analysis) | No |
| Iron (ICP-OES analysis) | Yes |
| Lead (ICP-OES analysis) | Yes |
| Lithium (ICP-OES analysis) | No |
| Magnesium (ICP-OES analysis) | Yes |
| Manganese (ICP-OES analysis) | Yes |
| Mercury (ICP-OES analysis) | Yes |
| Molybdenum (ICP-OES analysis) | No |
| Nickel (ICP-OES analysis) | No |
| Phosphorus (ICP-OES analysis) | No |
| Potassium (ICP-OES analysis) | Yes |
| Selenium (ICP-OES analysis) | No |
| Silver (ICP-OES analysis) | No |
| Sodium (ICP-OES analysis) | Yes |
| Strontium (ICP-OES analysis) | No |
| Sulphur (ICP-OES analysis) | No |
| Thallium (ICP-OES analysis) | No |
| Tin (ICP-OES analysis) | No |
| Zinc (ICP-OES analysis) | Yes |

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| Water Analyses - SANS 241 | |
| Aluminium | No |
| Ammonia as NH ₃ | No |
| Arsenic as As | Yes |
| Cadmium as Cd | Yes |
| Chloride as Cl | No |
| Cobalt as Co | No |
| Conductivity | No |
| Copper as Cu | Yes |
| Cyanide (recoverable) as CN | No |
| Fluoride as F | No |
| Iron as Fe | Yes |
| Lead as Pb | Yes |
| Manganese as Mn | Yes |
| Mercury as Hg | Yes |
| Nickel as Ni | No |

| | |
|----------------------------|-----|
| Nitrate as NO ₃ | No |
| Nitrite as NO ₂ | No |
| pH | No |
| Selenium as Se | No |
| Sodium as Na | Yes |
| Total chromium as Cr | No |
| Total dissolved solids | No |
| Vanadium as V | No |
| Zinc as Zn | Yes |
| Strontium | No |
| Thallium | No |

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| Other Chemical Analyses | |
| Azo dyes: <i>which includes</i> | Yes |
| Sudan 1 | Yes |
| Sudan 2 | Yes |
| Sudan 3 | Yes |
| Sudan 4 | Yes |
| Para Red | Yes |
| Methyl Yellow | Yes |
| * Additional cost if Erythrosine present in sample | No |
| Melamine screening | Yes |
| Melamine quantification | No |
| Sunscreen Analysis | No |
| Zinc oxide | No |