

Parry Organic Spirulina



SPIRULINA PLATENSIS (ARTHROSPIRA PLATENSIS)



PHYSICAL PROPERTIES

| | |
|---------------|----------------------|
| Appearance | Fine, uniform powder |
| Colour | Blue green to green |
| Odour & Taste | Mild |
| Bulk density | 0.62-0.85 g/cc |
| Particle size | 100% 60 mesh |

GENERAL COMPOSITION

| | |
|----------------|------------|
| Protein | 56% to 69% |
| Carbohydrates | 20% to 25% |
| Fats (Lipids) | 5% to 7% |
| Minerals (Ash) | 6% to 9% |
| Moisture | 2.5% to 6% |

VITAMINS

| | mg/ 100g |
|-------------------------|-------------|
| Vitamin B1 (Thiamine) | 0.15 - 0.30 |
| Vitamin B2 (Riboflavin) | 4.0 - 7.0 |
| Vitamin B3 (Niacin) | 10.0 - 25.0 |
| Vitamin B6 (Pyridoxine) | 0.5 - 1.5 |
| Vitamin B12 (Analogue) | 0.10 - 0.30 |
| Folic Acid | 0.05 - 0.30 |
| Inositol | 70 - 90 |
| Vitamin K | 0.90 - 1.05 |

AMINO ACIDS

| | g/ 100g |
|----------------|-------------|
| Alanine | 4.0 - 5.0 |
| Arginine | 3.0 - 5.0 |
| Aspartic acid | 1.50 - 3.0 |
| Cystine | 0.50 - 0.75 |
| Glutamic acid | 6.0 - 9.0 |
| Glycine | 2.0 - 4.0 |
| Histidine | 0.5 - 1.5 |
| Isoleucine | 3.0 - 4.0 |
| Leucine | 3.0 - 5.0 |
| Lysine | 3.0 - 6.0 |
| Methionine | 1.0 - 6.0 |
| Phenyl Alanine | 2.5 - 3.5 |
| Proline | 2.0 - 3.0 |
| Serine | 3.0 - 4.5 |
| Threonine | 1.5 - 3.0 |

| | |
|------------|-----------|
| Tryptophan | 1.0 - 2.0 |
| Tyrosine | 1.0 - 3.0 |
| Valine | 1.0 - 3.5 |

MINERALS

| | mg / 100g |
|------------|---------------|
| Calcium | 60 - 110 |
| Phosphorus | 700 - 1000 |
| Magnesium | 200 - 300 |
| Iodine | 0.2 - 0.4 |
| Iron | 25 - 100 |
| Sodium | 700 - 1000 |
| Potassium | 1000 - 1500 |
| Zinc | 1.0 - 3.0 |
| Copper | 0.2 - 0.4 |
| Manganese | 1.0 - 3.0 |
| Chromium | 0.1 - 0.3 |
| Selenium | 0.003 - 0.010 |

FATTY ACIDS

| | g/ 100g |
|----------------------|-------------|
| Myristic acid | 0.01 - 0.03 |
| Palmitic acid | 2.0 - 2.5 |
| Stearic acid | 0.01 - 0.05 |
| Oleic acid | 0.10 - 0.20 |
| Linoleic acid | 0.75 - 1.20 |
| Gamma-Linolenic acid | 1.00 - 1.50 |

PHYTOPIGMENTS

| | mg / 100 g |
|-------------------|---------------|
| Total Carotenoids | 400 - 650 |
| Beta-carotene | 150 - 250 |
| Xanthophylls | 250 - 470 |
| Zeaxanthin | 125 - 200 |
| Chlorophyll | 1235 - 1675 |
| Phycocyanin | 15000 - 19000 |

Light Filth: < 50/ 50g

MICROBIOLOGICAL

| | |
|------------------------|-------------------|
| Standard Plate Count | < 50,000 cfu / 1g |
| Yeast & Mould (cfu/1g) | < 100 |
| Coliform (/25g) | Negative |
| E. coli (/25g) | Negative |

| | |
|-----------------------|----------|
| Salmonella (/25g) | Negative |
| Staphylococcus (/25g) | Negative |

| PHEOPHORBIDES | (%) |
|------------------------|--------|
| Total Pheophorbides | < 0.12 |
| Existing Pheophorbides | < 0.08 |

| HEAVY METALS | (ppm) |
|--------------|--------|
| Lead | < 0.20 |
| Arsenic | < 0.50 |
| Cadmium | < 0.20 |
| Mercury | < 0.05 |

| ALGAL TOXINS | |
|------------------------|-------------------------------|
| Microcystins (ppb/ 3g) | Not Detectable (DL: 0.5 ppb) |
| BMAA | Negative |

GRAS Affirmed



Free from PESTICIDES, HERBICIDES GMO OR ADDITIVES
An ISO 9001, ISO 14001 and ISO 22000 certified facility



Parry Nutraceuticals

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