

# MILLED ALARIA (*Alaria esculenta*)

## PRODUCT SPECIFICATIONS

### *Typical Analysis*

*Data varies seasonally, with mesh size and moisture content*

#### PHYSICAL CHARACTERISTICS

	Mesh	Moisture	Total Ash	Acid-Insoluble Ash
Granules	N/A	N/A	N/A	N/A
Powder	80	5-10%	20-30%	0.05-3.0%
Fine Powder	200	4-8%	52%	6.5%

**Color:** Green/olive      **Flavor:** Salty      **Aroma:** Briny

**Density:** 1 cup powder = 158g

**Hydration capacity:** Increases in volume 2 to 3 times when fully hydrated

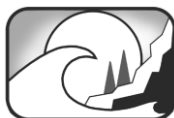
#### QUALITY CONTROL

METALS ANALYSIS		Method
Arsenic, inorganic	<1 ppm	IC-ICP-CRC-MS
Lead	<2 ppm	SW 846 6010
Cadmium	<5 ppm	SW 846 6010
Mercury	<0.1 ppm	SW 846 7471

MICROBIOLOGICAL		Method
Total Aerobic Count	<100,000 cfu/g	AOAC 121204
Coliforms	<100 cfu/g	AOAC 060702
E. coli	ND/10g	USP 31<62>
Yeast/Mold	<2,000 cfu/g	AOAC 041001
Salmonella	Negative (ND/10g)	USP 31<62>
Staph. aureus	Negative (ND/10g)	USP 31<62>

CHEMICAL ANALYSIS		Method
Pesticide Screen	Undetected	SW-846 8081A
Herbicide Screen	Undetected	SW-846 8151A
Petroleum Screen	Undetected	SW-846 8270C
PCBs Screen	Undetected	SW-846 8082

Certified Organic by OCIA.



NUTRITIONAL					
<b>Fat</b>	ND	<b>Calcium</b>	1.0%	<b>Copper</b>	ND
<b>Calories</b>	270/100g	<b>Magnesium</b>	0.8%	<b>Vitamin A</b>	1900 IU/100g
<b>Protein</b>	13%	<b>Phosphorus</b>	0.37%	<b>Vitamin B2</b>	16 ppm
<b>Dietary Fiber</b>	51%	<b>Iron</b>	110 ppm	<b>Vitamin B3</b>	98 ppm
<b>Carbohydrate</b>	53%	<b>Chromium</b>	ND	<b>Vitamin B5</b>	2.4 ppm
<b>Iodine</b>	173 ppm	<b>Aluminum</b>	840 ppm	<b>Vitamin B6</b>	0.13 ppm
<b>Sodium</b>	3.2%	<b>Manganese</b>	ND	<b>Vitamin C</b>	310 ppm
<b>Potassium</b>	4.0%	<b>Zinc</b>	20 ppm	<b>Vitamin E</b>	2.8 IU/100g

AMINO ACIDS (% of total aminos)			
<b>Alanine</b>	0.99	<b>Leucine</b>	0.65
<b>Arginine</b>	0.50	<b>Lysine</b>	0.45
<b>Aspartic Acid</b>	92	<b>Phenylalanine</b>	0.43
<b>Cystine</b>	0.16	<b>Serine</b>	0.43
<b>Glycine</b>	0.50	<b>Threonine</b>	0.45
<b>Glutamic Acid</b>	1.13	<b>Tyrosine</b>	0.32
<b>Histidine</b>	0.16	<b>Isoleucine</b>	0.38
<b>Valine</b>	0.48	<b>Proline</b>	0.35
<b>Methionine</b>	0.21	<b>Tyrptophan</b>	0.14

**COUNTRY OF ORIGIN** Canada

#### STORAGE & HANDLING

Hygroscopic and photosensitive material: Keep tightly closed and out of sunlight.

Optimal storage: cool (30-60°F), dry (50-80 RH), away from other odorous materials.

**SHELF LIFE** Best used within 3 years from production.

**ALARIA (*Alaria esculenta*)** is a wild, uncultivated marine algae. Specific analysis may vary from the above typical analysis. Naturally occurring fluctuations in the sea plant are due to season, weather conditions, tidal flow, and time of harvest.

