





## Certificate of Analysis

**Product:** *Haematococcus* algae meal

**Lot number:** AST07903

**Production date:** 24/06/03

		Test result
<b>General description</b>	Natural esterified Astaxanthin complex in the form of <i>Haematococcus pluvialis</i> algae biomass. Dark red flakes with a characteristic smell of algae.	
<b>Analytical specifications</b>	% total Astaxanthin (weight/fresh weight): [Astaxanthin] > 3% % available Astaxanthin(weight/fresh weight):[Astaxanthin] > 3% Cyst rupture efficiency: 97%<Avail. Asta / Total Asta<104% Water content in dry biomass: 0 %< water content 4.0% Heavy metals (as lead): < 10 ppm Arsenic: < 2.0 mg/kg Lead: < 5.0 mg/kg Mercury: < 1.0 mg/kg Cadmium: < 0.5 mg/kg Total Plate Count: < 10 <sup>6</sup> CFU Total Coliforms: NMT 10 <sup>4</sup> per gram Escherichia coli: NMT 10 <sup>3</sup> per gram Yeast: < 10 <sup>3</sup> CFU Moulds: < 10 <sup>3</sup> CFU Salmonella: Absence	3.43% 3.43% 100% 3.8% complies <0.200 0.30 <0.150 0.010 * * * * * *
<b>Packaging specifications</b>	Aluminum foil laminate. Outer surface: Polyester. Inner surface: Polyethylene. The bag is heat-sealed and Oxygen-free.	
<b>Shipping specifications</b>	Transport of the product should be under conditions that preclude all contamination and that protect against the deterioration of the product and container.	
<b>Storage specifications</b>	5°C or below. Keep sealed when not in use. Utilize content soon after opening container	
<b>Safety information</b>	This product is safe for intended use. It is produced from a 100% toxic-free micro algae <i>Haematococcus pluvialis</i> . Use appropriate protection measures to avoid direct contact, inhalation or digestion.	
<b>Shelf life</b>	Re-test after one year from production date.	

\* Analysis in process

QC release date: 24.6.03

Quality manager: Natasha Michlin



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\* Analysis in process

QC release date: 24.6.03

Quality manager: Natasha Michlin

# Algatechnologies (1998) Ltd

Beit Shraga Katz  
Be'erot Yitzhak  
60905 Israel

Phone: 03 933 62 36  
Fax: 03 933 62 07

## Certificate of Analysis (partial)

**Product:** *Haematococcus* algae meal

**Lot number:** DRED 00803

**Production date:** 03/03/03

		Test result
<b>General description</b>	Natural esterified Astaxanthin complex in the form of <i>Haematococcus Pluvialis</i> algae biomass. Dark red powder with a characteristic smell of algae.	
<b>Analytical specifications</b>	<p><b>% total Astaxanthin (dry):</b> [Astaxanthin] &gt; 3%</p> <p><b>% available Astaxanthin (dry):</b> [Astaxanthin] &gt; 3 %</p> <p><b>Cyst rupture efficiency:</b> 97% &lt; Avail. Asta / Total Asta &lt; 104%</p> <p><b>Water content in dry biomass:</b> 0 % &lt; water content &lt; 8 % as agreed with customer.</p> <p><b>Heavy metals (as lead):</b> &lt; 10 ppm</p> <p><b>Arsenic:</b> &lt; 2.0 mg/kg</p> <p><b>Lead:</b> &lt; 5.0 mg/kg</p> <p><b>Mercury:</b> &lt; 1.0 mg/kg</p> <p><b>Cadmium:</b> &lt; 0.5 mg/kg</p> <p><b>Total Plate Count:</b> &lt; 10<sup>6</sup> CFU</p> <p><b>Total Coliforms:</b> NMT 10<sup>4</sup> per gram</p> <p><b>Escherichia Coli:</b> NMT 10<sup>3</sup> per gram</p> <p><b>Yeast and moulds:</b> &lt; 10<sup>3</sup> CFU</p> <p><b>Salmonella:</b> Absence</p>	<p>*3.7%</p> <p>*3.7%</p> <p>*100%</p> <p>*3.4%</p> <p>*</p> <p>*</p> <p>*</p> <p>*</p> <p>*</p> <p>*</p>
<b>Packaging specifications</b>	<p>Aluminum foil laminate.</p> <p>Outer surface: Polyester.</p> <p>Inner surface: Polyethylene.</p> <p>The bag is heat-sealed and Oxygen-free.</p>	
<b>Shipping specifications</b>	Transport of the product should be under conditions that preclude all contamination and that protect against the deterioration of the product and container.	

\* Analysis in process

<b>Storage specifications</b>	5°C or below. Keep sealed when not in use. Utilize content soon after opening container	
<b>Safety information</b>	This product is safe for intended use. It is produced from a 100% toxic-free micro algae <i>Haematococcus Pluvialis</i> . Use appropriate protection measures to avoid direct contact, inhalation or digestion.	
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**Lot number:** DRED 00803

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<b>General description</b>	Natural esterified Astaxanthin complex in the form of <i>Haematococcus Pluvialis</i> algae biomass. Dark red powder with a characteristic smell of algae.	
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## Certificate of Analysis (partial)

**Product:** *Haematococcus* algae meal

**Lot number:** DRED 00703

**Production date:** 03/03/03

		Test result
<b>General description</b>	Natural esterified Astaxanthin complex in the form of <i>Haematococcus Pluvialis</i> algae biomass. Dark red powder with a characteristic smell of algae.	
<b>Analytical specifications</b>	<p><b>% total Astaxanthin (dry):</b> [Astaxanthin] &gt; 3%</p> <p><b>% available Astaxanthin (dry):</b> [Astaxanthin] &gt; 3 %</p> <p><b>Cyst rupture efficiency:</b> 97% &lt; Avail. Asta / Total Asta &lt; 104%</p> <p><b>Water content in dry biomass:</b> 0 % &lt; water content &lt; 8 % as agreed with customer.</p> <p><b>Heavy metals (as lead):</b> &lt; 10 ppm</p> <p><b>Arsenic:</b> &lt; 2.0 mg/kg</p> <p><b>Lead:</b> &lt; 5.0 mg/kg</p> <p><b>Mercury:</b> &lt; 1.0 mg/kg</p> <p><b>Cadmium:</b> &lt; 0.5 mg/kg</p> <p><b>Total Plate Count:</b> &lt; 10<sup>6</sup> CFU</p> <p><b>Total Coliforms:</b> NMT 10<sup>4</sup> per gram</p> <p><b>Escherichia Coli:</b> NMT 10<sup>3</sup> per gram</p> <p><b>Yeast and moulds:</b> &lt; 10<sup>3</sup> CFU</p> <p><b>Salmonella:</b> Absence</p>	<p>3.9%</p> <p>3.9%</p> <p>100%</p> <p>4.0%</p>
<b>Packaging specifications</b>	<p>Aluminum foil laminate.</p> <p>Outer surface: Polyester.</p> <p>Inner surface: Polyethylene.</p> <p>The bag is heat-sealed and Oxygen-free.</p>	
<b>Shipping specifications</b>	Transport of the product should be under conditions that preclude all contamination and that protect against the deterioration of the product and container.	

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