



JINGZHOU NATURAL ASTAXANTHIN INC.

Certificate of Analysis(COA)

Product: *NaturAsta™ Food Grade Haematococcus pluvialis Powder*

Lot number: 2008051501

Production date: 2008.05.15

		Test result
General description	Natural esterifies Astaxanthin complex in the form of <i>Haematococcus pluvialis</i> algae biomass. Dark red powder with a characteristic smell of algae.	Astaxanthin quantity 18.90kg
Analytical specifications	<p>% total Astaxanthin (weight/fresh weight): [Astaxanthin] > 2.0%</p> <p>Cyst rupture efficiency: 90%<Avail. Asta / Total Asta<100%</p> <p>Water content in dry biomass: 0 %< water content 7.0%</p> <p>Heavy metals (as lead): < 10 ppm</p> <p>Arsenic: < 5.0 mg/kg</p> <p>Lead: < 10.0 mg/kg</p> <p>Mercury: < 1.0 mg/kg</p> <p>Total Plate Count: < 3*10⁴CFU per gram</p> <p>Total Coli forms: MPN 40 per 100 gram</p> <p>Yeast: < 10³ CFU</p> <p>Moulds: < 10³ CFU</p> <p>Salmonella: Absence</p>	<p>2.07%</p> <p>95%</p> <p>3.5%</p> <p>complies</p> <p><2.16</p> <p><3.30</p> <p><0.39</p> <p><10⁴</p> <p><10</p> <p><10</p> <p><10</p> <p>Negative</p>
Packaging specifications	Aluminum foil laminate. Outer surface: Polyester. Inner surface: Polyethylene. The bag is heat-sealed and Oxygen-free Vacuum packed.	
Shipping specifications	Transport of the product should be under conditions that preclude all contamination and that protect against the deterioration of the product and container.	
Storage specifications	22°C or below. Keep sealed when not in use. Utilize content soon after opening container	
Safety information	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.	
Shelf life	Re-test after one year from production date.	

QC release date: 2008.05.020

Quality manager: Nana Xia