



Wefirst Biotechnology Co., Ltd

Specifications sheet

AstaFirst™ Haematococcus Pluvialis Powder

General description	Natural esterified Astaxanthin complex in the form of Haematococcus pluvialis algal biomass. Dark red powder with a characteristic smell of algae.	
Analytical specifications	Total Astaxanthin (weight/dry weight), %	1.5-3.5
	Total proteins (weight/dry weight), %	15-25
	Total carbohydrates (weight/dry weight), %	30-40
	Total lipids (weight/dry weight), %	35-45
	Water content in dry biomass, %	<5
	Ash (weight/dry weight), %	<4
	Heavy metals, mg/kg	<10
	Arsenic, mg/kg	undetectable
	Lead, mg/kg	undetectable
	Mercury, mg/kg	undetectable
Cadmium, mg/kg	undetectable	
Microbiology	Total Aerobic Plate Count, CFU/g	< 10 ³
	Yeast, CFU/g	Absence
	Moulds, CFU/g	< 10 ²
	Total Coliforms, CFU/g	Absence
	Salmonella	Absence
Shipping	Transport of the product should be under conditions that preclude all contamination and that protect against the deterioration of the product and container.	
Safety	This product is safe for intended use. It is produced from a 100% toxic-free microalgae Haematococcus pluvialis. Use appropriate protection measures to avoid direct contact, inhalation or digestion.	
Storage	Sensitive to air, heat, moisture and light. 4°C or below. Utilize content soon after opening the package.	
Packaging	Aluminum foil bag with vacuum	
Shelf life	Re-test after one year from production date, when kept in its original package.	