



## Technical Data Sheet

### Blutregenalge Astaxanthin 4% P. Haematococcus pluvialis Astaxanthin 4% P.

#### PRODUCT INFORMATION

Botanic name	Haematococcus pluvialis
Part Used	whole plant
Origin	China
Production method	cultivating - harvesting - spray drying - packaging and testing
Carrier	none

ITEM	SPECIFICATION	METHOD
Natural Astaxanthin Assay	4% Min	HPLC
Appearance	Dark Red Powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Positive	UV/HPLC
Sieve analysis	100% through 80 Mesh	80 Mesh Screen
Loss on Drying	10% Max	Eu. Pharm. v.v. (2.8.17)
Residue on Ignition	15% Max	Eu. Pharm. c.v. (2.4.16)
Bulk Density	0.30-0.70g/ml	
Aflatoxin B1	2µg/kg Max	Eu. Phann. c.v. (2.8.18)
Total Aflatoxins (B1,B2,G1,G2)	4µg/kg Max	Eu. Phann. c.v. (2.8.18)
Benzo(a)pyrene	10ppb Max	GC-MASS

#### STATEMENTS

Food Quality and Safety	According to Reg. (EC) 178/2002
Contaminants	According to Reg. (EC) 2023/915 for food supplements
Heavy Metals	According to Reg. (EC) 629/2008: Cd<1ppm, Hg<0.1ppm, Pb<3ppm
Preservative	Preservative Free Conforms
Residual Solvents	According to DIRECTIVE (EC) 2009/32 and amendments
Pesticides	According to Reg. (EC) 2008/839
Polycyclic Aromatic Hydrocarbons (PAH)	According to Reg. (EC) 1933/2015: PAH 4- Sum of Benzo(a)pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene and Chrysene : <50µg/kg Benzo(a)pyrene: <10µg/kg
Microbiology	Bacterial Count (TAMC-Bacteria<30,000cfu/g, TYMC<100cfu/g, Samlmonella absent in 25g, Escherichia Coli absent in 1g, Gram-Negative Bacteria resistant to bile salts<100cfu/g).
GMO	Not Detectable, GMO Free
ETO	Non-ETO Conforms
Vegan	Vegan Conforms
Sterilization Method	High Temperature and Pressure
Irradiation	No ionization or other radiation is permitted According to the Reg. (EC) 1992/2 and 1993/3 and amendments
BSE/TSE	Risk Free BSE/TSE
Allergen free	According to Reg. (EC) 1169/2011
Nanomaterials	Absent According to Reg. (EC) 1169/2011
Titanium dioxide	Absent According to Reg. (EC) 2022/63
Pyrrolizidine Alkaloids	in compliance with Reg. (EC)
Packaging	According to Reg. (EU) Nr. 10/2011 and 1935/2004

#### STORAGE AND HANDLING

Storage	Store in a well-closed container away from moisture and direct sunlight
Shelf Life	stored in cryogenic storage < -18 °C: storage period is 24 months stored in cool storage < 8 °C: storage period is 12 months stored at room temperature < 25 °C: storage period is 6 months
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