

Certificate of Analysis

AstAlphy Astaxanthin oleoresin 10.0%

Report No.: Y20230802

Product Name:	Astaxanthin Oleoresin	Batch No.:	XY20230802C
Manufacturing Date:	09.08.2023	Expiration Date:	08.08.2026
Testing Date:	09.08.2023	Report Date:	14.08.2023
Packaging:	1kg/bottle 5 kg/bottle	Batch Quantity:	320,77 kg

Testing Item	Specification	Test Result	Method
Appearance	Red or Dark Red Liquid Oleoresin	Complied	Q/AEF 0002S
Smell and Taste	Not empyreumatic; Not Rancid; Not peculiar;	Complied	Q/AEF 0002S
Impurities	No Visible Impurities	Complied	Q/AEF 0002S
Astaxanthin (%)	≥ 10	10,28	FCC-HPLC
Loss and Drying(%)	≤ 6	0,23	GB 5009.236
Ash(%)	≤ 5	0,15	GB 5009.4
Total Heavy Metals (ppm)	≤ 10		
Lead (ppm)	≤ 0.8	0,074	GB 5009.12
Arsenic (ppm)	≤ 1.0	0,19	GB 5009.11
Mercury (ppm)	≤ 1.0	Negative	GB 5009.17
Cadmium (ppm)	≤ 1.0	0,0052	GB 5009.15
Total Plate Count (CFU/g)	≤ 1,000	<10	GB 4789.2
Yeast & Mold (CFU/g)	≤ 50	<10	GB 4789.15
Coliforms (MPN/g)	≤ 20	<10	GB 4789.3
E. coli	≤ 10	Negative	GB 4789.38
Salmonella (/25g)	Negative	Negative	GB 4789.4
Shigella (/25g)	Negative	Negative	GB 4789.5
Vibrio Parahaemolyticus (/25g)	Negative	Negative	GB 4789.7
Staphylococcus Aureus (/25g)	Negative	Negative	GB 4789.10

Introduction: The Company ALPHY EUROPE CORPORATE DIVISION OF AMINO SWISS AG specializes in the extraction of natural astaxanthin, derived from Haematococcus pluvialis algae certified by Halal and Kosher under ISO9001 and FSSC22000.

Packaging: 1 kg, 5 kg aluminum foil bottle in cardboard box.

Storage: Sealed and stored under the cool and dry condition. Avoid the light, heat and oxygen.

Shelf time: 36 months in unopen and original packaging.

Tested by:

Yuting Wang.

Checked by:

Ling Zhang

Approved by:

Hua Yang Xu