Chengdu PNP Biotech Co., Ltd.

No. 13, South Section 1, Second Ring Road
Suite 709, Wuhou District, Chengdu
Sichuan 610041, P.R. China
info@pnpbiotech.com
www.pnpbiotech.com

SPECIFICATION SHEET

Astaxanthin Powder 5%

Product Name	Astaxanthin Powder	**Country of Origin**	China
Biological Source	*Haematococcus pluvialis*	**Part Used**	Whole algae

Test Item	Specification	Test Method
Appearance	Dark-red powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Corresponding with RS	IR & HPLC
Astaxanthin	≥ 5.0%	HPLC
Particle Size	NLT 90% through 80 mesh	USP<786>
Loss on Drying	≤ 7.0%	USP<731>
Total Ash	≤ 10.0%	USP<281>
Lead (Pb)	≤ 2.0 ppm	ICP-MS
Arsenic (As)	≤ 2.0 ppm	ICP-MS
Cadmium (Cd)	≤ 0.5 ppm	ICP-MS
Mercury (Hg)	≤ 0.1 ppm	ICP-MS
Standard Plate Count	≤ 10,000 cfu/g	USP<2021>
Total Yeast & Mold	≤ 1,000 cfu/g	USP<2021>
E. coli (in 10 g)	Negative	USP<2022>
Salmonella (in 25 g)	Negative	USP<2022>
S. aureus (in 10 g)	Negative	USP<2022>

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 24 months under above conditions, and kept in its unopened original packaging.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Nov. 02, 2026