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Certificate of Analysis

Sample Description	Astaxanthin Oil	Product Date	April 26,2024	Batch Number	ES20240425
Sample Weight	10g	Analysis Date	April 27,2024	Period of validity	April 25,2026
Detection based on	Internal control standard				
Analytes / Units	Standard Requirement		Results	Individual Decision	
Characteristics	Dark red oily viscous liquid, no coke, corruption and other peculiar smell, no smell, no visible impurities		Dark red oily viscous liquid, no peculiar smell, no visible impurities	Qualified	
Astaxanthin HPLC (%)	≥ 5.0		5.11	Qualified	
Moisture (%)	≤ 5.0		0.17	Qualified	
Ash (%)	≤ 5.0		<0.07	Qualified	
Lead (mg/kg)	≤ 1.0		Not detected	Qualified	
Arsenic (mg/kg)	≤ 1.0		0.31	Qualified	
Mercury (mg/kg)	≤ 0.1		Not detected	Qualified	
Cadmium (mg/kg)	≤ 1.0		Not detected	Qualified	
Aerobic colony count (CFU /g)	≤ 30000		<100	Qualified	
Coliforms (MPN/g)	≤ 0.92		Not detected	Qualified	
Mould(CFU /g)	≤ 25		Not detected	Qualified	
Yeast (CFU /g)	≤ 25		Not detected	Qualified	
Salmonella /25g	Not detectable		Not detected	Qualified	
S.Aureus,Shigella	Not detectable		Not detected	Qualified	
Detection conclusion	Qualified				
Analyst	LI YU	Auditor	WANG YANG	Date	April 04,2024

