



TECHNICAL DATA SHEET

KRILL OIL — ALL GRADES

Product Description

Krill Oil is a dark red viscous oil with a light shrimp odor. Multiple grades are available. Grade-specific specifications should be confirmed against the relevant Certificate of Analysis (COA).

Available Grades

P10, P20, P40, P45, P50, P56, P60, P65 and P72.

Grade-Specific Key Specifications — Reference COA

Grade	Total Phospholipids	EPA	DHA
P10	≥ 10 g/100 g	≥ 12 g/100 g	≥ 6 g/100 g
P20	≥ 20 g/100 g	≥ 12 g/100 g	≥ 6 g/100 g
P40	≥ 40 g/100 g	≥ 10 g/100 g	≥ 5 g/100 g
P45	≥ 45 g/100 g	≥ 11 g/100 g	≥ 6 g/100 g
P50	Refer to COA	Refer to COA	Refer to COA
P56	Refer to COA	Refer to COA	Refer to COA
P60	Refer to COA	Refer to COA	Refer to COA
P65	Refer to COA	Refer to COA	Refer to COA
P72	Refer to COA	Refer to COA	Refer to COA

Note: Values for P10, P20, P40 and P45 are transcribed from the supplied grade specifications. For P50, P56, P60, P65 and P72, please refer to the corresponding COA for grade-specific values.

Common Physicochemical Specifications — Reference COA

Parameter	Reference Specification	Test Method
Appearance	Dark red viscous oil	—
Odor	Light shrimp odor	—
Astaxanthin	≥ 200 mg/kg	UV
Moisture and volatile matter	≤ 3%	GB 5009.236
Peroxide Value	≤ 2 mmol/kg	GB 5009.227
Acid Value	≤ 15 mg KOH/g	GB 5009.229
Iodine Value*	≥ 120 g/100 g	GB/T 5532
Unsaponifiable Matter*	≤ 4 g/100 g	GB/T 5534

Microbiological Specifications — Reference COA

Parameter	Reference Specification	Test Method
Total Plate Count	< 100 CFU/g	GB 4789.2
Coliform Group	< 40 CFU/g	GB 4789.3
Vibrio parahaemolyticus*	< 25 CFU/g	GB 4789.7
Salmonella*	Not detected	GB 4789.4
Staphylococcus aureus*	Not detected	GB 4789.10

Organic Contaminants and Heavy Metals — Reference COA

Parameter	Reference Specification	Test Method
Lead (Pb)*	≤ 0.08 mg/kg	GB 5009.12
Inorganic Arsenic*	≤ 0.1 mg/kg	GB 5009.11
Cadmium (Cd)*	≤ 0.5 mg/kg	GB 5009.15
Methyl Mercury (Hg)*	≤ 0.3 mg/kg	GB 5009.17
Chromium (Cr)*	≤ 2.0 mg/kg	GB 5009.123
N-Nitrosodimethylamine (NDMA)*	≤ 4.0 µg/kg	GB 5009.26
Polychlorinated Biphenyls (PCBs)*	≤ 200 µg/kg	GB 5009.190
Benzo(a)pyrene (BaP)*	≤ 10 µg/kg	GB 5009.27

* Parameters marked with an asterisk are tested by an independent laboratory twice per year, according to the supplied specification.

Packaging

25 kg, 50 kg, 100 kg or 200 kg steel drums, nitrogen-flushed and sealed. Packaging options should be confirmed when ordering.

Storage and Shelf Life



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Store tightly sealed in a cool, dry and well-ventilated place at 0–8°C. Protect from direct sunlight and moisture. Shelf life: 24 months under the recommended storage conditions.

Handling After Opening

Use as soon as possible after opening. If the full contents are not used at once, refill the container with nitrogen and reseal promptly.

Important Note

This document provides general reference specifications. Actual grade-specific specifications and batch test results must be confirmed against the applicable COA. Where values are marked "Refer to COA," please consult the corresponding grade COA. This TDS does not replace a batch-specific COA.