

TECHNICAL DATA SHEET (TDS) - CRUDE SALMON OIL

1. PRODUCT DESCRIPTION

Crude Salmon Oil is produced from fresh, food-grade salmon by-products (heads, frames, and viscera) via a gentle low-temperature centrifugal extraction process. It is a natural source of long-chain Omega-3 fatty acids (EPA & DHA) and contains the natural antioxidant pigment Astaxanthin.

2. PHYSICAL & CHEMICAL SPECIFICATIONS

Parameter	Unit	Specification / Limit	Analysis Method
Free Fatty Acids (FFA)	% (as Oleic)	Max 3.0% – 5.0%	ISO 660 / AOCS Ca 5a-40
Peroxide Value (PV)	meq O ₂ / kg	Max 5.0 – 10.0	ISO 3960 / AOCS Cd 8-53
Anisidine Value (AnV)	-	Max 15.0 – 20.0	ISO 6885 / AOCS Cd 18-90
Moisture & Impurities	%	Max 0.5%	ISO 662 / 663
Insoluble Impurities	%	Max 0.1%	ISO 663
Iodine Value	g I ₂ / 100g	125 – 150	Wijs Method
Unsaponifiable Matter	%	Max 2.0%	ISO 3596

3. FATTY ACID PROFILE (OMEGA-3)

Fatty Acid	Unit	Typical Value
Total Omega-3	% of Total FA	14.0% – 18.0%
EPA (C20:5 n-3)	% of Total FA	3.0% – 5.0%
DHA (C22:6 n-3)	% of Total FA	4.0% – 7.0%
Natural Astaxanthin	mg / kg (ppm)	4 – 10 ppm

4. CONTAMINANTS & HEAVY METALS

In compliance with EU Regulation 1881/2006 and MarinTrust safety criteria.

- Dioxins (WHO-PCDD/F-TEQ): Max 1.75 ng/kg
- Sum of Dioxins & DL-PCBs: Max 4.0 ng/kg
- Arsenic (As): < 2.0 ppm
- Lead (Pb): < 0.1 ppm
- Mercury (Hg): < 0.1 ppm
- Cadmium (Cd): < 0.1 ppm

5. CERTIFICATIONS & TRACEABILITY

- MarinTrust Certified: Guaranteed responsible sourcing from non-IUU (Illegal, Unreported, and Unregulated) fisheries/farms.
- Full Traceability: Documentation provided from raw material collection to final delivery.
- GMO-Free: Produced without the use of Genetically Modified Organisms.
- Non-Ethoxyquin: (If applicable, specify if the oil is Ethoxyquin-free).

6. STORAGE, PACKAGING & SHELF LIFE

- Shelf Life: 12 months from production date in original sealed packaging.
- Storage: Store in a cool, dry place (15-20°C). Nitrogen blanketing is highly recommended to prevent oxidation during storage.
- Packaging: Available in Flexitanks (26000 LITER), IBC Containers (1000L), or Steel/Plastic Drums (200L).