



Salmon Oil Brown

Overview:

Salmon oil is a high-quality fat source derived from salmon processing by-products, rich in omega-3 fatty acids (EPA: 3–7%, DHA: 4–8%, Total Omega-3: ~15.5%). It supports growth, health, and productivity in aquaculture, pets, and livestock.

Processing:

- 1. Extracted from salmon by-products through heating and centrifugation.
- 2. Refined to meet EU standards for dioxins, PCBs, heavy metals, and other impurities.
- 3. Quality-tested for moisture, fatty acids, and microbiological safety (e.g., salmonella).

Applications:

- **Aquaculture:** Enhances growth, immune health, and reproduction in fish and shrimp.
- **Pet Food:** Improves skin, coat, and joint health in dogs and cats.
- **Livestock:** Provides energy and improves the fatty acid profile of meat and eggs.
- **Specialty Feeds:** Used in diets for exotic animals and zoos.

Key Features:

- High fat content (≥99.6%) and omega-3 levels.
- Minimal impurities (moisture ≤0.4%, insoluble impurities ≤0.5%).
- Low oxidation risk (peroxide value ≤10 meq O2/kg).
- Fully compliant with EU safety standards.
- Used in pet foods and aquaculture diets.
- Acts as a complementary protein source in feed formulations

Shelf life 12 months, subject to storage conditions

Standard packaging options Bulk, Flexi bags, IBC containers

Parameter	Typical Value	Notes/Standards
Physical Characteristics		
Smell	Equivalent to salmon oil	As per standard
Colour	Dark brown (Gardner ~17-18)	AOCS Td 1a-64:2000
Form	Liquid	
Moisture	Max 0.40% (~0.22%)	PN-EN ISO 662:2016
Chemical Characteristics		
Acid Value (FFA)	Max 5.0 (~4.80)	PN-EN ISO 660:2021-03
Peroxide Value	Max 10.0 meq O2/kg (~0.50)	PN-EN ISO 3960:2017-03
Total Fatty Matter	Min 99.60% (~99.80%)	BS 684-2.4:1976
Fatty Acids Composition		
EPA (Eicosapentaenoic Acid)	3–7%	PN-EN ISO standards
DHA (Docosahexaenoic Acid)	4–8%	PN-EN ISO standards
Total Omega-3	Min 10.0% (~15.5%)	PN-EN ISO standards
Toxins & Contaminants		
Dioxins (WHO-PCDD/F-TEQ)	0.77 µg/kg	Meets EU standards
WHO-PCB-TEQ	1.855 µg/kg	
WHO-PCDD/F-PCB-TEQ	2.650 µg/kg	
Sum of PCB (ICES-6)	<17 µg/kg	
Heavy Metals:		
- Cadmium	<2 mg/kg	
- Fluorine	<150 mg/kg	
- Lead	<10 mg/kg (~0.05 mg/kg)	
- Arsenic	<25 mg/kg (~1.7 mg/kg)	
- Mercury	<0.50 mg/kg (~0.0009 mg/kg)	
- Nitrites	<30 mg/kg (~0.3 mg/kg)	
Insoluble Impurities	Max 0.50% (~0.20%)	PN-EN ISO 663:2017-03
Anisidine	~2.4	PN-EN ISO 6885:2016-04
Microbiological Safety		
Enterobacteria	<10 KVV/g	Meets LVS EN ISO 21528-2:2017
Salmonella	Not detected (25g sample)	Meets LVS EN ISO 6579-1:2017