



Omega 3 18/12 Oil

Description: A pale yellow oil produced from fresh sardine, herring, mackerel, and anchovy. It is neutralized, dried, bleached, deodorized, and winterized. The oil is free from genetically modified material and components (GMO-Free). Country of origin is Iceland.

Product Code	HO307
Product Lot #	PO3159702
Packing Batch	16503-70227

Date of Production	Dec 2023
Expiration Date	Dec 2025

Analytic Parameter	Result	Specification	Method
Total Omega Fatty Acids (%)	complies	min 35.5	by input
Total Omega-3 Fatty Acids (%)	38.8	min 30.0	AOAC
Eicosapentaenoic acid (EPA)(A%)	19.0	min 18	AOAC
Docosahexaenoic acid (DHA)(A%)	12.1	min 12	AOAC
Omega 6 Fatty Acids (%)	complies	7.0	AOAC
Peroxide Value (meq/O ₂ /kg)	0.7	max 3.0	Ph. Eur. 2.5.5. Method B
Anisidine Value	14.6	max 20.0	Ph. Eur. 2.5.36.
TOTOX	16.0	max 26	Calculation
Free Fatty Acids (%)	0.12	max 0.25	Ph. Eur. 2.5.1.
Acid Value (mg KOH/g)	0.25	max 0.5	Ph. Eur. 2.5.36.
Unsaponifiable matter (in pure oil)(%)	0.9	max 1.5	Ph. Eur. 2.5.7.
Colour Gardner	5.0	max 6	AOCS Cc 13j 97 and Td 1a 64
Weight (g/ml at 20 Celsius)	conforms	0.920 - 0.940	Ph.Eur.2.2.5.
Refractive index at 20 Celsius	1,483	1,481-1,485	ph.Eur.2.2.6
Cold test; remains clear at 0 Celsius for	pass	min. 3 hours	Ph. Eur. 2.4.29.
PCB Congeners (SUM of 209)(mg/kg)	conforms	max 0.09	AOAC
Dioxins and Dioxins-like PCBs(PCDD/F-PCB WHO2005TEQ)	conforms	max 3.0	AOAC

Analytic Parameter	Result	Specification	Method
pg/g)			
Dioxin-like PCBs (pg(WHO TEQ)/g	conforms	max 3.0	AOAC
Dioxins (PCDDs, PCDFs) (pg/g)	conforms	max 1.0	AOAC
Benzo(a)pyrene (ug/kg)	conforms	max 2.0	AOAC
PAH's	conforms	max 10.0	AOAC
Arsenic (As)(mg/kg)	conforms	max 0.1	ICP-MS
Cadmium (Cd)(mg/kg)	conforms	max 0.01	ICP-MS
Mercury (Hg)(mg/kg)	conforms	max 0.005	ICP-MS
Lead (Pb)(mg/kg)	conforms	max 0.05	ICP-MS

Microbiological Analysis

Analytic Parameter	Result	Specification	Method
Microbial Total Count (cfu/g)	conforms	Max 1000	USP <2021>
Yeast and Mould count (cfu/g)	conforms	Max 25	USP <2021>
Coliforms (MPN/g)	conforms	Max 0.3	USP <2022>
Salmonella	conforms	Absent	USP <2022>
Shigella	conforms	Absent	USP <2022>
E. Coli	conforms	Absent	USP <2022>
S. Aureus	conforms	Absent	USP <2022>
Haemolytic Streptococcus	conforms	Absent	USP <2022>

Storage: Store at or below room temperature. Do not expose to direct sunlight. Shelf life is 2 years from packaging date.

BSE/TSE Statement: The oil contains no other animal products and has not been in contact with other animal products. It is therefore free of agents of animal spongiform encephalopathies (bovine spongiform encephalopathy & transmissible spongiform encephalopathy).

Allergens: Fish Oil (Exempt under FALCPA)

I hereby certify that this Certificate of Analysis contains a true and accurate description of the material referenced above.



Nic
Quality Control Mgr.

COA: 12486