

SPECIFICATION

Omega-3 Refined Fish Oil 18/12



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INTRODUCTION

Refined, bleached, winterized and deodorised 18% EPA and 12% DHA fish oil stabilized with 1000 ppm of mixed natural tocopherols for human consumption.

GENERAL DESCRIPTION

Product approved for human consumption.

The oil is refined, bleached, winterized, deodorized and stabilized with 1000 ppm of mixed natural tocopherols.

Fish oil issued from wild sea catch.

ANALYTICAL CHARACTERISTICS	Standards	Method
Specific Gravity (@20 degrees Celsius)	0.919 – 0.935	PE 2.2.5
Refractive Index (@20 degrees Celsius)	-	PE 2.2.6
Colour	max. 5	Gardner
Free Fatty Acids (as Oleic) in %	max. 0.25	ISO 660
Saponification Value	180 – 195	PE 2.5.1
Unsaponifiable Matter	-	PE 2.5.7
Peroxide Value (meq O ₂ /kg)	max. 3 at time of release	PE 2.5.5
Anisidine Value	max. 20 at time of release	ISO 6885
Moisture in %	max. 0.1	ISO 662-663
Cold test	min. 3 hrs at 0 deg. Celsius	AOCS Cc 11-53
EPA C20:5 n-3	min. 18.00 (in Area %)	AOCS Ce 1i-07
DHA C22:6 n-3	min. 12.00 (in Area %)	AOCS Ce 1i-07
Total Omega-3 fatty acids	min. 35.00 (in Area %)	AOCS Ce 1i-07
Saturated Fatty Acid	min. 27.00 (in Area %)	AOCS Ce 1i-07

HEALTH SAFETY

Product compliant with the hygiene regulation (EC) no. 853/2004 and (EC) no. 1020/2008 on fish oils.

Ionization: This product did not undergo any ionizing treatment and does not contain any ingredient or additive that was treated by ionization.

Identity preserved: In accordance with regulations (EC) no. 1829/2003 & no. 1830/2003.

Pesticides: Contents in conformity with regulation (EC) no. 396/2005 and its last amendments.

Dioxins and furans – Dioxin-like PCBs and PCBs indicators: Contents in conformity with regulation (EU) no. 1259/2011.

Heavy metals: Contents in conformity with regulation (EC) no. 1881/2006.

PAHs: Contents in conformity with regulation (EC) no. 835/2011.

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HEAVY METALS

Arsenic	< 0.1 ppm
Cadmium	< 0.01 ppm
Lead	< 0.05 ppm
Mercury	< 0.005 ppm

DIOXINS AND FURANS / DIOXIN-LIKE PCBs AND PCBs

Dioxin + furans	1.0 ng/kg
Dioxins/furans + dioxin-like PCBs	3.0 ng/kg
Total PCBs (209 congeners):	0.02 mg/kg
Sum of IUPAC No. 1-209	

PAHs

Benzo(a)pyrene	1.0 ppb
Sum PAHs: benzo(a)pyrene + benzo(a)anthracene + benzo(b)fluoranthene + chrysene	

A monitoring plan of the contaminants has been set up to ensure the observance of the European regulations in force.

STORAGE & SHELF LIFE

The storage conditions are optimal when the oil is preserved in a full and closed packing in cool premises protected from light and heating.

Best before Date: 24 months as from the date of manufacturing in the required conditions.

At the best before date, the oil preserves all its nutritional and functional characteristics and its health safety.

We consider its manufacturing process, conditioning, as well as the applied storage to allow a possible extent of its validity beyond this date by reapproving its analytical characteristics.

PACKING

The Oil is packed in 200 kg net new steel drums (food contact) under nitrogen.

NOTE

This specification was developed with utmost care based on latest up to date information available, It does not form any guarantee nor release the recipient from his manufacturing responsibilities.

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