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Quality Control # Product description **Lýsi hf.**

Number:	Product Name:	Issue number:	14
HO307	**Omega-3 Fish Oil**	Date of Issue:	24-03-2023
		Previous Issue:	09-12-2019

Description:

A pale yellow oil with slight odour and taste. The oil is processed from fish of families such as *Engraulidae*, *Carangidae*, *Clupeidae*, *Osmeridae*, *Scombridae* (except the genera *Thunnus* and *Sarda*) and *Ammodytidae*. It is neutralised, bleached, winterised and deodorised, and may be purified with short-path distillation. The oil complies with current monographs in Ph. Eur. and BP (Fish oil rich in omega-3 acids) and USP (Fish Oil Containing Omega-3 Acids). It is certified by Friend of the Sea (FOS).

Analytical parameters:

	Specification	Method
Eicosapentaenoic acid (EPA) (area %)	min. 18,0	SKL 5-31
Eicosapentaenoic acid (EPA) (mg/g as FFA)	min. 150	SKL 5-31
Eicosapentaenoic acid (EPA) (mg/g as TG)	min. 160	SKL 5-31
Docosahexaenoic acid (DHA) (area %)	min. 12,0	SKL 5-31
Docosahexaenoic acid (DHA) (mg/g as FFA)	min. 100	SKL 5-31
Docosahexaenoic acid (DHA) (mg/g as TG)	min. 105	SKL 5-31
Total omega-3 fatty acids (area %)	min. 35,0	SKL 5-31
Total omega-3 fatty acids (mg/g as FFA)	min. 320	SKL 5-31
Total omega-3 fatty acids (mg/g as TG)	min. 330	SKL 5-31
Peroxide value (meq. O_2/kg)	max. 3,0	SKL 5-26
Anisidine value	max. 20,0	SKL 5-33
TOTOX	max. 26,0	SKL 5-33
Free fatty acids (%)	max. 0,25	SKL 5-20
Acid value (mg KOH/g)	max. 0,50	SKL 5-20
Unsaponifiable matter (in pure oil) (%)	max. 1,5	SKL 5-38
Colour (Gardner units)	max. 6,0	SKL 5-35
Relative density at 20°C	0,920 - 0,940*	SKL 5-30
Refractive Index at 20°C	1,481 - 1,485	SKL 5-28
Cold test; remains clear at 0°C (hours)	min. 3	SKL 5-24
Moisture (%)	max. 0,10	SKL 5-32
Absorbance at 233 nm	max. 0,70	SKL 5-43
Oligomers (%)	max. 1,5	SKL 5-98
Dioxins (PCDD/F WHO_{2005} TEQ pg/g)	max. 1,0*	SKL 5-40
Dioxins and dioxin-like PCBs (PCDD/F-PCB WHO_{2005} TEQ pg/g)	max. 3,0*	SKL 5-40
Dioxin-like PCBs (WHO_{2005} TEQ, pg/g)	max. 3,0*	SKL 5-40
PCBs (209 total) (ng/g)	max. 90*	SKL 5-40
PAHs (4) (µg/kg)	max. 10,0*	SKL 5-40
Benzo(a)pyrene (µg/kg)	max. 2,0*	SKL 5-40
Arsenic (As) (mg/kg)	max. 0,1*	SKL 5-40
Cadmium (Cd) (mg/kg)	max. 0,01*	SKL 5-40
Mercury (Hg) (mg/kg)	max. 0,005*	SKL 5-40
Lead (Pb) (mg/kg)	max. 0,05*	SKL 5-40

*Based on surveillance

Storage:

Store at or below 25°C. Do not expose to direct sunlight.
Shelf life is 3 years in sealed original containers

Allergens:

Fish oil.

Approved by:

Sales: AH	Production:	Quality Assurance: SAGT
Date: 4/4'23	Date: 4/4 23	Date: 4/4'23