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

Number:	Product Name:	Issue number: 12
HE002	**Omega-3 Ethyl Esters**	Date of Issue: 12-10-2021
		Previous Issue: 22-09-2021

Description:
Yellow liquid. Omega-3-acid ethyl esters are obtained by transesterification of the body oil obtained from fish of families such as *Engraulidae, Carangidae, Clupeidae, Osmeridae, Salmonidae* and *Scombridae* and subsequent physico-chemical purification processes, including molecular distillation. GMO-free tocopherols are added as antioxidants.
This oil complies with the monograph for omega-3 acid ethyl esters 60 in current EurPh and BP. The oil is FOS certified.

Analytical parameters:	**Specification**	**Method**
Eicosapentaenoic acid (EPA) (as area%)	min. 33,0	SKL 5-31
Docosahexaenoic acid (DHA) (as area%)	min. 22,0	SKL 5-31
Eicosapentaenoic acid (EPA) (mg/g as EE)	min. 290	SKL 5-31
Docosahexaenoic acid (DHA) (mg/g as EE)	min. 195	SKL 5-31
Total omega-3 fatty acids (mg/g as EE)	min. 550	SKL 5-31
Eicosapentaenoic acid (EPA) (mg/g as FFA)	min. 260	SKL 5-31
Docosahexaenoic acid (DHA) (mg/g as FFA)	min. 170	SKL 5-31
Peroxide value (meq. O_2/kg)	max. 3,0	SKL 5-26
Anisidine value	max. 15,0	SKL 5-33
TOTOX	max. 21,0	SKL 5-33
Acid value (mg KOH/g)	max. 2,0	SKL 5-20
Colour (Gardner units)	max. 4,0	SKL 5-35
Cold test remains clear at 0°C (hours)	min. 3	SKL 5-158
Absorbance at 233 nm	max. 0,6	SKL 5-43
Oligomers and partial glycerides (%)	max. 7,0	SKL 5-98
Dioxins and furans (WHO_{2005} TEQ pg/g)	max. 1,0*	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. 0,1*	SKL 5-40
Mixed tocopherols (mg/g)	min. 1,5	by addition

* Based on surveillance

Storage:
Store at or below 25°C. Do not expose to direct sunlight.
Shelf life is 2 years in sealed original containers.

Allergens:
Fish oil.

Approved by:

Marketing: AH	Production:	Quality Assurance:
Date: 12/10/21	Date: 12/10 21	Date: 12 OCT 2021