

Product:	BioMarine® Medical 3-fish oils 200ml UNL		
Batch no.:	92759101 A	Ref. External lab.:	92691805
Art. no.: 52795212		Manufacturing date:	10.2019
Revision no.: 05		Best before:	11.2021
		Release date:	27.02.2020

Additives:

Tocopherol rich extract (E306), non GMO quality - providing the following amount of natural mixed tocopherols, has been added in a concentration of minimum 0.23 w/w%.

Proprietary antioxidant blend consisting of extracts of rosemary (E392), ascorbyl palmitate (E304) and tocopherol rich extract (E306), has been added in a concentration of 0.15 w/w%.

Analytical specifications

Parameter	Specification	Result	Unit	Method
Appearance at room temperature	light golden oil	Complies	-	Visual
EPA (Eicosapentaenoic acid, TG)	min. 143	176	mg/g	Calculated
DHA (Docosahexaenoic acid, TG)	min. 99	127	mg/g	
Total omega-3 fatty acids (TG)	min. 290	355	mg/g	
EPA (Eicosapentaenoic acid, TG)	min. 650	807	mg/5 ml	Calculated
DHA (Docosahexaenoic acid, TG)	min. 450	582	mg/5 ml	
Total omega-3 fatty acids (TG)	min. 1320	1628	mg/5 ml	
Squalene (from SLO)	min. 350	425	mg/5 ml	Calculated
Alkylglycerols (from SLO)	min. 350	425	mg/5 ml	Calculated
DAGE (Diacylglycerol ether from SLO)	min. 900	1070	mg/5 ml	Calculated
Peroxide value (PV)	max. 5	2.4	meq/kg	Ph.Eur. 2.5.5 (Method A)
Anisidine value (AV)	max. 20	5.7	-	Ph.Eur. 2.5.36
Acid value	max. 3.0	0.2	mg KOH/g	Ph.Eur. 2.5.1
Density (25°C)	report	0.917	g/ml	AOCS To 1a-64

External laboratory

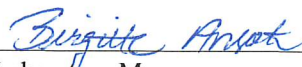
Vitamin A	report	711	IU/5 ml	AOAC 974.29 Mod
Vitamin D	report	33	IU/5 ml	Huang etc. MS 2014
Lead	max. 0.05	Passed ¹⁾	mg/kg	AAS/ICP-OES/MS
Cadmium	max. 0.1	Passed ¹⁾	mg/kg	
Mercury	max. 0.10	Passed ¹⁾	mg/kg	
Total Arsenic	report	Passed ¹⁾	mg/kg	
Arsenic (inorganic)	max. 0.1	Passed ¹⁾	mg/kg	
PCB (IUPAC No 28,52,101,138,153,180)	max. 0.200	Passed ¹⁾	mg/kg	HRGC-HRMS (EN 1948 mod)
Dioxins and Furans (WHO-PCDD/F-TEQ)	max. 1.75	Passed ¹⁾	pg/g	HRGC-HRMS (EN 1948 mod)
Dioxin-like PCBs (WHO-PCB-TEQ)	max. 6.0	Passed ¹⁾	pg/g	
Benzo(a)pyrene	max. 2.0	Passed ¹⁾	µg/kg	GC-MS
Benzo(a)pyrene + Benz(a)anthracene + Benzo(b)fluoranthene + Chrysene	max. 10.0	Passed ¹⁾	µg/kg	GC-MS

¹⁾ Analysed on random sample basis.

A = Amended CoA. Product name has been changed.

This batch is approved according to specification.

Date: 27.02.2020


 Laboratory Manager


 Quality Assurance Manager