

Product:	BioMarine® Medical 200ml UNL		
Batch no.:	61799101 A	Ref. External lab.:	K60505, 61241301, 61111302, 102402
Art. no.: 52794925		Manufacturing date:	06.2016
Revision no.: 01		Best before date:	01.2019
		Release date:	20.02.2018

Additives:

Lemon flavour L139380 has been added in a concentration of 1.00 w/w%.

Tocopherol rich extract (E306), non GMO quality - providing the following amount of natural mixed tocopherols, has been added in a concentration of minimum 2.2 mg/g.

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
EPA (Eicosapentaenoic acid, TG)	min. 140.0	150**	mg/g	Calculated
DHA (Docosahexaenoic acid, TG)	min. 100.0	120**	mg/g	
Total omega-3 fatty acids (TG)	min. 300.0	330**	mg/g	
EPA (Eicosapentaenoic acid, TG)	min. 130	140***	mg/ml	Calculated
DHA (Docosahexaenoic acid, TG)	min. 90	110***	mg/ml	
Total omega-3 fatty acids (TG)	min. 270	300***	mg/ml	
EPA (Eicosapentaenoic acid, TG)	min. 640	700	mg/5 ml	Calculated
DHA (Docosahexaenoic acid, TG)	min. 450	540	mg/5 ml	
Total omega-3 fatty acids (TG)	min. 1350	1490	mg/5 ml	
Peroxide value (PV)	max. 5	2.7	meq/kg	Ph.Eur. 2.5.5 (Method A)
Anisidine value (AV)	max. 20	6.5	-	Ph.Eur. 2.5.36
Anisidine value with flavour added	report	78	-	Ph.Eur. 2.5.36
Acid value	max. 3	0.1	mg KOH/g	Ph.Eur. 2.5.1
Density (25°C)	report	0.915	g/ml	AOCS To 1a-64

External laboratory

Squalene (from SLO)	min. 60 min. 300	73 366	mg/ml mg/5 ml	Calculated
Alkylglycerols (from SLO)	min. 60 min. 300	71 353	mg/ml mg/5 ml	Calculated
DAGE (diacylglycerol ether)	min. 170 min. 850	180 900	mg/ml mg/5 ml	Calculated
Vitamin A	min. 90 min. 410	145 665	IU/g IU/5 ml	AOAC 974.29 Mod
Vitamin D	min. 9 min. 41	13 59	IU/g IU/5 ml	Huang etc. MS 2014
Lead	max. 0.10	Passed	mg/kg	AAS/ICP-OES/MS
Cadmium	max. 0.1	Passed	mg/kg	
Mercury	max. 0.10	Passed	mg/kg	
Arsenic (inorganic)	max. 0.1	Passed	mg/kg	
PCB (IUPAC No 28,52,101,138,153,180)	max. 0.200	Passed	mg/kg	HRGC-HRMS (EN 1948 mod)

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Parameter	Specification	Result	Unit	Method
Dioxins and Furans (WHO-PCDD/F-TEQ)	max. 1.75	Passed	pg/g	HRGC-HRMS (EN 1948 mod)
Dioxin-like PCBs (WHO-PCB-TEQ)	max. 6.0	Passed	pg/g	
Benzo(a)pyrene	max. 2.0	Passed	µg/kg	GC-MS
Benzo(a)pyrene + Benz(a)anthracene + Benzo(b)fluoranthene + Chrysene	max. 10.0	Passed	µg/kg	GC-MS
Total aerobic microbial count	max. 100	Passed*	cfu/g	Ph.Eur. 2.6.12

*Analyzed on random sample basis.

** The result is based on the analyzed value 152 mg/g for EPA (TG), 119 mg/g for DHA (TG) and 325 mg/g for total omega-3 (TG) and rounded to nearest 10 based on the method precision.

*** The result is based on the analyzed value 139 mg/ml for EPA (TG), 109 mg/ml for DHA (TG) and 298 mg/ml for total omega-3 (TG) and rounded to nearest 10 based on the method precision.

This batch is approved according to specification.

Date: 20.02.2018


 Laboratory Manager


 Quality Assurance Manager