

Product:	BioCardine Omega-3 200ml UNL		
Batch no.:	80039101 B²⁾	Ref. External lab.:	72501305
Art. no.: 52795044		Manufacturing date:	01.2018
Revision no.: 02		Best before date:	12.2020
		Release date:	12.03.2020

Additives:

Lemon flavour L 139380 has been added in a concentration of 1.0 w/w%.

Antioxidant blend containing sunflower oil, natural tocopherols (E306), extracts of rosemary, mono- and diglycerides of fatty acids (E471) has been added in a concentration of 0.2 w/w%.

Analytical specifications

Parameter	Specification	Result	Unit	Method
EPA (Eicosapentaenoic acid)	min. 33	35	A %	GC, AM007
DHA (Docosahexaenoic acid)	min. 22	24	A %	
Total omega-3 fatty acids	min. 65	70	A %	
EPA (Eicosapentaenoic acid, TG)	min. 290	324	mg/g	Ph.Eur. 2.4.29
DHA (Docosahexaenoic acid, TG)	min. 190	213	mg/g	
Total omega-3 fatty acids (TG)	min. 570	635	mg/g	
EPA (Eicosapentaenoic acid, TG)	min. 1300	1520	mg/5 ml	Ph.Eur. 2.4.29
DHA (Docosahexaenoic acid, TG)	min. 890	1000	mg/5 ml	
Total omega-3 fatty acids (TG)	min. 2600	2980	mg/5 ml	
Ethyl esters	max. 5	0.2	A %	Ph.Eur. 2.2.30
Oligomers	max. 3.0	0.3	A %	
Partial glycerides	max. 50.0	8.3	A %	
Triglycerides	min. 50	91.2	A%	
Cholesterol	max. 2	1	mg/g	USP 39
Trans fatty acids	max. 1	Passed ¹⁾	w/w%	GC, Ext. Lab.
Peroxide value (PV)	max. 5	2.7	meq/kg	Ph.Eur. 2.5.5 (Method A)
Anisidine value (AV)	max. 20	4.2	-	Ph.Eur. 2.5.36
TOTOX (2xPV+AV)	max. 26	9.6	-	Calculated
Anisidine value with flavour added	report	74	-	Ph.Eur. 2.5.36
Acid value	max. 3.0	0.1	mg KOH/g	Ph.Eur. 2.5.1
Absorbance at 233 nm	max. 0.73	0.31	AU	Ph.Eur. 2.2.25
Density (25°C)	0.934-0.944	0.938	g/ml	AOCS To 1a-64
Colour Gardner	max. 6	3	-	AOCS Td 1a-64
Cold test remains clear at 0°C	min. 3	Passed	hours	AOCS Cc 11-53 modified
External laboratory				
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	max. 0.1	Passed	mg/kg	
DDT	max. 0.01	Passed	mg/kg	GC (LFGB L00.00-34)
DDD	max. 0.01	Passed	mg/kg	
DDE	max. 0.01	Passed	mg/kg	
HCB	max. 0.01	Passed	mg/kg	
PCB (IUPAC No 28,52,101,138,153,180)	max. 0.018	Passed	mg/kg	HRGC-HRMS (EN 1948 mod)
PCB (209 Congeners)	max. 0.09	Passed ¹⁾	mg/kg	HRGC-HRMS (USEPA 1668c mod)
Dioxins and Furans (WHO-PCDD/F-TEQ)	max. 1.75	Passed	pg/g	HRGC-HRMS (EN 1948 mod)
Dioxins + Furans + dl-PCBs (WHO-PCDD/F-PCB-TEQ)	max. 3	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

¹⁾ Analysed on random sample basis.

²⁾ Extended shelf life (36 months).

This batch is approved according to specification.

Date: 12.03.2020


 Laboratory Manager


 Quality Assurance Manager