

CERTIFICATE OF ANALYSIS

Product: Fish oil 4020EE 1000mg

Size and shape: 20C Oblong

Item code: 403054

Lot number: 1811072

<u>Test:</u>	<u>Specification:</u>	<u>Result:</u>
Appearance:	Natural clear gelatin shell, Pale amber oil fill.	Conforms
Average fill weight:	1000mg +/-5.00%	998.7mg/cap
Disintegration:	Complies with BP/EP requirements for capsules	<10mins.
Fish oil EE4020 FOC MDT	1000mg	Input
Peroxide Value	Report Result	2.9meq/kg
Anisidine value	Report Result	3.9
TOTOX value*	Report Result	9.7
Aerobic bacteria count	NMT1,000 CFU/g	15 cfu/g
Yeast and Mold	<100 CFU/g	<10 cfu/g
E. coli	<10 CFU/g	Not detected/10g

* TOTOX = 2*PV+AV

Date of manufacture 06.12.18

This product is 100% RSPO Mass Balance. Manufactured by Eurocaps
under certificate ref BMT-RSPO-000388

Released

Rejected

J Brown
QA Assistant

J Brown 30/01/19



Recommended storage conditions: 15°C – 25°C; 35% - 75% RH
Bulk storage: Gelatin capsules should be stored in bulk packaging for no more than 6 months
Vegesoft and Softburst capsules should be stored in bulk packaging for no more than 3 months

EuroCaps Ltd

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Contaminants Declaration

14th December 2018

To Whom It May Concern:

This letter is to notify all parties that **Fish Oil 4020EE 1000mg 403054 lot no. 1811072** meets the following contaminant limits:

Heavy Metals:

Lead not more than 3 mg/kg
Cadmium not more than 1 mg/kg
Mercury not more than 0.1 mg/kg
Total Arsenic not more than 1 mg/kg

Dioxins and PCBs:

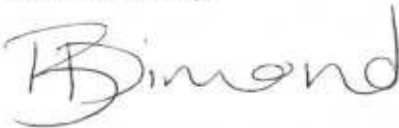
Total dioxins (WHO-PCDD/F-TEQ) <1.75pg/g fat
Total dioxins and PCB like dioxins (WHO-PCDD/F-PCB-TEQ) <6 pg/g fat
Sum of following: PCB28, PCB52, PCB101, PCB138, PCB153, PCB180<200ng/g fat

PHAs:

Benzo(a)pyrene <2 µg/kg
Sum of Benzo(a)pyrene, Benzo(a)anthracene, Benzo(b)fluranthene, Chrysene <10 µg/kg

This finished product contains a raw material EE4020 which is a fish oil purchased by Omega Galil from Golden Omega. According to the Specification supplied by Golden Omega, this raw material conforms to the specifications indicated in Israeli Ministry of Health's requirements for food contaminants.

Yours faithfully,



Bethany Dimond
Development Scientist



EuroCaps Ltd

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CERTIFICATE OF ANALYSIS

Omega-3-Acid Ethyl Esters



Batch code: E4020A18B011

Product code:	OE4020A1	Analysis code:	L-577
Manufacturing date:	February 01, 2018	Retest date:	January 31, 2021
Reference specification:	SMT-SPC-008-v06	Omega-3-Acid Ethyl Esters EE4020	

Quality Attribute	Limit	Unit	Result	Method
EPA (Eicosapentaenoic acid)	(*) min. 40	A %	49	Ph.Eur. 01/2016:20429
DHA (Docosahexaenoic acid)	(*) min. 20	A %	22	
Total omega-3 fatty acids	(*) min. 60	A %	80	
EPA (Eicosapentaenoic acid as FFA)	min. 366	mg/g	419	
DHA (Docosahexaenoic acid as FFA)	min. 184	mg/g	218	
Total omega-3 fatty acids as FFA	min. 637	mg/g	719	
EPA (Eicosapentaenoic acid as EE)	min. 400	mg/g	458	
DHA (Docosahexaenoic acid as EE)	min. 200	mg/g	219	
Total omega-3 fatty acids as EE	min. 700	mg/g	764	
Colour Gardner	max. 2+	-	2-	AOCS Td 1a-64
Oligomers and glycerides	max. 5.0	A %	1.2	Ph.Eur. 07/2012:2063
Peroxide value (POV)	max. 2.0	meq/kg	<0.1	Ph.Eur. 01/2016:20505
Anisidine value (p-AV)	max. 10.0	-	2.2	Ph.Eur. 01/2008:20536
Total oxidation (2POV + p-AV)	max. 12.0	-	<2.4	Calculated
Absorbance at 233 nm	max. 0.60	AU	0.27	Ph.Eur. 07/2012:2063
Acid value	max. 1.0	mg KOH/g	0.4	Ph.Eur. 01/2008:20501
Mix tocopherols (antioxidant)	min. 2.0 max. 4.0	mg/g	3.1	HPLC-FLD
PCB 209 congeners (28, 52, 101, 118, 138, 153 & 180 included)	(**) max. 0.01	mg/kg	Compliant with specification	GC-HRMS
Dioxin and furans (WHO-PCDD/F-TEQ)	(**) max. 1.0	pg/g	Compliant with specification	GC-HRMS
Dioxin & furans and dioxin-like PCBs (WHO-PCDD/F-PCB TEQ)	(**) max. 2.0	pg/g	Compliant with specification	GC-HRMS
Benzo(a)pyrene	(**) max. 1.0	µg/kg	Compliant with specification	GC-MS
Sum of benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene and chrysene	(**) max. 5.0	µg/kg	Compliant with specification	
Lead (Pb)	(**) max. 0.02	mg/kg	Compliant with specification	AAS
Cadmium (Cd)	(**) max. 0.01	mg/kg	Compliant with specification	AAS
Mercury (Hg)	(**) max. 0.01	mg/kg	Compliant with specification	AAS
Arsenic (As)	(**) max. 0.1	mg/kg	Compliant with specification	AAS
Cholesterol	(**) max. 1.0	mg/g	Compliant with specification	Ph.Eur. 07/2016:20432

Comments:

(**)Skip testing. Tested at regular intervals.

(*) This is an estimation and not intended to be a measurable variable in determining the potency of the product.

Certificate issue date: February 06, 2018

Signed by: Luis Navarrete Mora

Position: Head of Quality Control

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Authorized facsimile

Validated with signature

Original kept at QC in Golden Omega