

## Certificate of Analysis

Product name: Omega-3 DHA+EPA  
 Batch nr.: 1426120100  
 Shelf life: 09/23

Mat.No./Batch: 60015869 / 1426120100  
 Manufact.date: 15.09.2021

Inspection Lot 40000160639 from 07.09.2021

Procedure Characteristic qual. Specification Method	Unit	Value	Lower Limit	Upper Limit
Galenical testing				
<b>HF Shape and Size</b>	-	complies	-	-
HF Shape and Size oblong 16 minims AA-QC-052 Galenical				
<b>HF Colour</b>	-	complies	-	-
HF Colour natural AA-QC-052 Galenical				
<b>HF Length</b>	mm	19.9	0.0	1000.0
AA-QC-052 Galenical				
<b>HF Diameter</b>	mm	9.4	0.0	1000.0
AA-QC-052 Galenical				
<b>HF Filling weight</b>	mg/sgc	819.740	759.217	927.932
NF 2091				
<b>HF Uniformity of mass</b>	-	complies	-	-
NF 2091				
<b>HF Total mass</b>	mg/sgc	1134.342	1011.217	1235.932
NF 2091				

I hereby certify that the above information is authentic and accurate. The batch was manufactured and checked with the product formulation under HACCP guidelines.

### Deviations:

In the production, testing and packaging there was:

no release relevant deviations / OOS results

deviations / OOS results, which could have influence on the quality of the product. The deviation report was valued and approved by a qualified person (see Annex)

in addition relevant informations with regard to the quality are added

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For this production 2 batches of oil have been combined:

Test	Result	Limits / Specifications	Dimension / Units	Method
<b>COLOR</b>	Corresponds	LIGHT YELLOW		
<b>AROMA</b>	Corresponds	CHARACTERISTIC		
<b>TOTAL OMEGA-3 CONTENT</b>	567	Min. 550	mg/g	AOCS Ce 1b-89
<b>DHA CONTENT</b>	319	Min. 300	mg/g	AOCS Ce 1b-89
<b>EPA CONTENT</b>	199	Min. 150	mg/g	AOCS Ce 1b-89
<b>DPA CONTENT</b>	49	Min. 30	mg/g	AOCS Ce 1b-89
<b>DHA + EPA CONTENT</b>	518	Min. 500	mg/g	
<b>PEROXIDE VALUE</b>	< 0.1	Max. 5.0	meq/kg	AOCS Cd 8-53
<b>ANISIDINE VALUE</b>	3	Max. 20		AOCS Cd 18-90
<b>TOTOX</b>	3	Max.26		
<b>FREE FATTY ACID</b>	0.1	Max. 0.25	%	AOCS Ca 5a-40
<b>MOISTURE &amp; VOLATILES</b>	< 0.01	Max. 0.02	%	AOCS Ca 2c-25
<b>UNSATURATED MATTER</b>	1.5	Max. 4.5	%	AOCS Ca 6b-53
<b>TRANS FATTY ACIDS</b>	< 1	Max. 1	%	AOCS Cd 14-95
<b>ARSENIC</b>	Corresponds*	Max. 0.1	ppm	AOCS Ca 17-01
<b>CADMIUM</b>	Corresponds*	Max. 0.1	ppm	AOCS Ca 17-01
<b>COPPER</b>	Corresponds*	Max. 0.05	ppm	AOCS Ca 17-01
<b>IRON</b>	Corresponds*	Max. 0.2	ppm	AOCS Ca 17-01
<b>LEAD</b>	Corresponds*	Max. 0.1	ppm	AOCS Ca 17-01
<b>MERCURY</b>	Corresponds*	Max. 0.04	ppm	AOAC 977.15
<b>FATTY ACID PROFILE</b>				
20:5n-3 EPA	22.0	Record	%	AOCS Ce 1b-89
22:5n-3 DPA	5.2	Record	%	AOCS Ce 1b-89
22:6n-3 DHA	34.3	Record	%	AOCS Ce 1b-89

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<b>COLOR</b>	Corresponds	LIGHT YELLOW		
<b>AROMA</b>	Corresponds	CHARACTERISTIC		
<b>TOTAL OMEGA-3 CONTENT</b>	567	Min. 550	mg/g	AOCS Ce 1b-89
<b>DHA CONTENT</b>	324	Min. 300	mg/g	AOCS Ce 1b-89
<b>EPA CONTENT</b>	196	Min. 150	mg/g	AOCS Ce 1b-89
<b>DPA CONTENT</b>	47	Min. 30	mg/g	AOCS Ce 1b-89
<b>DHA + EPA CONTENT</b>	520	Min. 500	mg/g	
<b>PEROXIDE VALUE</b>	< 0.1	Max. 5.0	meq/kg	AOCS Cd 8-53
<b>ANISIDINE VALUE</b>	1	Max. 20		AOCS Cd 18-90
<b>TOTOX</b>	1	Max.26		
<b>FREE FATTY ACID</b>	0.1	Max. 0.25	%	AOCS Ca 5a-40
<b>MOISTURE &amp; VOLATILES</b>	< 0.01	Max. 0.02	%	AOCS Ca 2c-25
<b>UNSATONIFIABLE MATTER</b>	0.9	Max. 4.5	%	AOCS Ca 6b-53
<b>TRANS FATTY ACIDS</b>	< 1	Max. 1	%	AOCS Cd 14-95
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<b>CADMIUM</b>	Corresponds*	Max. 0.1	ppm	AOCS Ca 17-01
<b>COPPER</b>	Corresponds*	Max. 0.05	ppm	AOCS Ca 17-01
<b>IRON</b>	Corresponds*	Max. 0.2	ppm	AOCS Ca 17-01
<b>LEAD</b>	Corresponds*	Max. 0.1	ppm	AOCS Ca 17-01
<b>MERCURY</b>	Corresponds*	Max. 0.04	ppm	AOAC 977.15
<b>FATTY ACID PROFILE</b>				
20:5n-3 EPA	21.4	Record	%	AOCS Ce 1b-89
22:5n-3 DPA	4.9	Record	%	AOCS Ce 1b-89
22:6n-3 DHA	34.2	Record	%	AOCS Ce 1b-89