

# Certificate of Analysis

Product name: Omega-3 DHA  
 Batch nr.: 1445210100  
 Shelf life: 11/23

Mat.No./Batch: 60016006 / 1445210100  
 Manufact.date: 09.11.2021

Inspection Lot 40000161939 from 04.11.2021

Procedure Characteristic qual. Specification Method	Unit	Value	Lower Limit	Upper Limit
<b>Galenical testing</b>				
<b>HF Shape and Size</b>	-	complies	-	-
HF Shape and Size oval 11 minims AA-QC-052 Galenical				
<b>HF Colour</b>	-	complies	-	-
HF Colour natural AA-QC-052 Galenical				
<b>HF Length</b>	mm	14.6	0.0	1000.0
AA-QC-052 Galenical				
<b>HF Diameter</b>	mm	9.7	0.0	1000.0
AA-QC-052 Galenical				
<b>HF Filling weight</b>	mg	609.4	562.5	687.5
NF 2091				
<b>HF Uniformity of mass</b>	-	complies	-	-
NF 2091				
<b>HF Total mass</b>	mg	815.4	747.9	914.1
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

## Certificate of Analysis

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Fatty acids composition g FA/100 g product		Result	target	min	max	Method
Docosahexaenoic acid (DHA)	C 22:6	40.8	>40	38.0	-	LI-00.511-02
<b>Quality and identity characteristics</b>						
Acid value (mg KOH/g oil)		0.1		-	0.3	ISO 660:2008
Peroxide value (meq O <sub>2</sub> /kg oil)		< 0.2		-	0.5	AOCS Cd 8b-90
Cold test (pos/neg)		Neg		-	-	NGD C24-1979
Sensory evaluation		Passed				St-31.107
Induction period (Rancimat/hours at 80 °C)		16.9		-	-	ISO 6886:2006
Colour LOVIBOND (cell 1") Y		67		-	-	NGD C20-1976
Colour LOVIBOND (cell 1") R		2.7		-	-	NGD C20-1976
Glycidol bound in esters (mg/kg)		< LQ		-	1.00	AOCS-CD29C-13
Sum free 3-MCPD and 3-MCPD bound in esters (mg/kg)		< 1.25		-	1.25	AOCS-CD29C-13
Mineral Oil MOSH (mg/kg)		< 25		-	25	external analysis
Mineral Oil MOAH (mg/kg)		< 2.5		-	2.5	external analysis