

## CERTIFICATE OF ANALYSIS

Product: Arctic Plankton Oil

Product description: Soft gelatin capsule with Calanus® Oil

Article nr.: 076

Batch: 30021990

Date of manufacture: 8/2020

Expiry date: 01/2023

PARAMETER	SPECIFICATION	RESULT	METH00 <sup>1</sup>
<b>CAPSULE PROPERTIES</b>			
Capsule size	10 oval ✓	Complies	QK AM 0005
Appearance	Ruby, slightly viscous oil ✓	Complies ✓	Visual
Average fill mass Calanus® Oil	462.5-537.5 mg/capsule	Complies ✓	QK AM 0005
Peroxide value	10 meq/kg ✓	0.8 meq/kg ✓	Ph.Eur. 2.5.5
<b>MICROBIAL ANALYSIS<sup>2</sup></b>			
Aerobic plate count	NMT 1000 cfu/g ✓	100 cfu/g ✓	AFNOR 3M 01/1-09/89
Yeast & mold	NMT 100 cfu/g ✓	<10 cfu/g ✓	AOAC 997.02
<i>Escherichia coli</i>	NMT 10 cfu/g ✓	<10 cfu/g ✓	NordVal 014
<i>Coagulase pos. staphylococci</i>	NMT 100 cfu/g ✓	<100 cfu/g ✓	AFNOR 01/09-04/03 A
<i>Salmonella spp.</i>	Negative/25 g	Negative/25 g	AFNOR EGS 38/01-03/15
<i>Listeria monocytogenes</i>	Negative/25 g ✓	Negative/25 g ✓	AFNOR EGS 38/03-01/17
<b>FATTY ACIDS, FATTY ALCOHOLS AND ASTAXANTHIN<sup>2,3</sup></b>			
Total fatty acids	NLT 460 mg/g ✓	590 mg/g ✓	GF-FID
Eicosapentaenoic acid (EPA)	NLT 30 mg/g ✓	83 mg/g ✓	
Docosahexaenoic acid (DHA)	NLT 40 mg/g ✓	49 mg/g ✓	
Stearidonic acid (SDA)	TYP 70 mg/g ✓	66 mg/g ✓	
Total fatty alcohols	NLT 280 mg/g ✓	358 mg/g ✓	
C20:1n-9 fatty alcohol	NLT 90 mg/g ✓	122 mg/g ✓	
C22:1n-11 fatty alcohol	NLT 120 mg/g	159 mg/g ✓	
Astaxanthin esters	NLT 600 mg/kg ✓	2100 mg/kg ✓	HPLC

1) Alternative methods may be used, methods reported relevant for above batch analysis

2) Results from Calanus® Oil analyzed prior to encapsulation

3) Results at release. There may be a 10% reduction during shelf life