zooca®

CERTIFICATE OF ANALYSIS

Product: Calanus® Oil capsules 500 mg FG
Product description: Soft gelatin capsule with Calanus® Oil
Article nr.: 1044
Batch: 30022738
Date of manufacture: 06/2021
Expiry date: 06/2024

PARAMETER	SPECIFICATION	RESULT	METHOD[1)]
CAPSULE PROPERTIES			
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	0.5 meq/kg	Ph.Eur. 2.5.5
MICROBIAL ANALYSIS[2]			
Aerobic plate count	NMT 1000 cfu/g	<100 cfu/g	NMKL 86
Yeast & mold	NMT 100 cfu/g	<100 cfu/g	Based on NMKL 98
Escherichia coli	NMT 10 cfu/g	<10 cfu/g	NMKL 125
Coagulase pos. staphylococci	NMT 100 cfu/g	<100 cfu/g	NMKL 66
Salmonella spp.	Negative/25 g	Negative/25 g	AFNOR
Listeria monocytogenes	Negative/25 g	Negative/25 g	PCR
FATTY ACIDS, FATTY ALCOHOLS AND ASTAXANTHIN[2, 3]			
Total fatty acids	NLT 460 mg/g	524 mg/g	GF-FID
Eicosapentaenoic acid (EPA)	NLT 30 mg/g	65 mg/g	
Docosahexaenoic acid (DHA)	NLT 40 mg/g	47 mg/g	
Stearidonic acid (SDA)	TYP 70 mg/g	70 mg/g	
Total fatty alcohols	NLT 280 mg/g	348 mg/g	
Of which are policosanols (sum C22:1 n-11, C20:1 n-9)	NLT 210 mg/g	259 mg/g	
Astaxanthin esters	NLT 600 mg/kg	900 mg/kg	Roche 1994 Publ. No 50631

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

Date: 16.07.2021

Åse Kristine Mikalsen, Quality Manager, Calanus AS

Valid from:	Version:	Certificate of analysis	Authorized by:
16.07.2021	3.2021	Calanus® Oil Capsules Art. 1044	Åse Kristine Mikalsen