CERTIFICATE OF ANALYSIS

Omega-3-Acid Triglycerides TG090430 90%

Batch code: T88B11B241

		Analysis code:	L-4624
Manufacturing date:	February 24, 2021	**Retest date:**	February 23, 2024
Reference specification:	SMT-SPC-150-v02		

Quality Attribute	Limit	Unit	Result	Method
Colour Gardner	max. 2.0	-	1.0	SCL-PAE-004 (AOCS Td 1a-64)
EPA (Eicosapentaenoic acid as TG)	min. 90 max. 120	mg/g mg/g	114	SCL-PAE-116 (Ph.Eur.01/2016:20429)
DHA (Docosahexaenoic acid as TG)	min. 430 max. 515	mg/g mg/g	497	
Total omega-3 fatty acids as TG	min. 600 max. 750	mg/g mg/g	747	
EPA (Eicosapentaenoic acid as FFA)	min. 86	mg/g	109	
DHA (Docosahexaenoic acid as FFA)	min. 414	mg/g	479	
Total omega-3 fatty acids as FFA	min. 580	mg/g	718	
Ethyl esters	max. 5.0	A %	1.4	SCL-PAE-011 (Ph.Eur.07/2012:1352)
Oligomers	max. 1.0	A %	<0.1	
Partial glycerides	max. 10.0	A %	6.4	
Triglycerides	min. 90.0	A %	92.2	
Peroxide value (POV)	max. 1.0	meq/kg	0.6	SCL-PAE-001 (Ph.Eur. 01/2016:20505)
Anisidine value (p-AV)	max. 7.0	-	3.5	SCL-PAE-002 (Ph.Eur. 01/2008:20536)
Total oxidation (2POV + p-AV)	max. 9.0	-	4.7	SCL-PAE-002
Mix tocopherols (antioxidant)	min. 2.0 max. 4.0	mg/g	3.1	SCL-PAE-013 (USP 40, NF36)
PCB 209 congeners (28, 52, 101, 118, 138, 153 & 180 included)	(**) max. 0.005	mg/kg	Compliant with specification	GC-HRMS
Dioxin and furans (WHO-PCDD/F-TEQ)	(**) max 0.7	pg/g	Compliant with specification	GC-HRMS
Dioxin & furans and dioxin-like PCBs (WHO-PCDD/F-PCB TEQ)	(**) max 1.5	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 0.008	mg/kg	Compliant with specification	ICP-MS
Cadmium (Cd)	(**) max 0.005	mg/kg	Compliant with specification	ICP-MS
Mercury (Hg)	(**) max 0.005	mg/kg	Compliant with specification	ICP-MS
Arsenic (As)	(**) max 0.1	mg/kg	Compliant with specification	ICP-MS
Glycidyl fatty acid esters, expressed as glycidol	(**) max 1000	µg/kg	Compliant with specification	GC-MS
Sum of 3-monochloropropanediol (3-MCPD) and 3-MCPD fatty acid esters, expressed as 3-MCPD	(**) max 2500	µg/kg	Compliant with specification	
Acid value	(**) max. 1.0	mg KOH/g	Compliant with specification	SCL-PAE-003 (Ph.Eur. 01/2008:20501)
Absorbance at 233 nm	(**) max. 0.65	AU	Compliant with specification	SCL-PAE-005 (Ph.Eur. 07/2012:1352)
Cholesterol	(**) max 5.0	mg/g	Compliant with specification	SCL-PAE-012 (Ph.Eur. 07/2016:20432)

Comments:

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

Certificate issue date: March 08, 2021

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Authorized facsimile

Validated with signature

Original kept at QC in Golden Omega