

Please note that the certificates of analysis are also conveniently available online and around the clock at www.worldaccount.basf.com

Fax No 00551130432434

BASF S.A.

R EDGAR MARCHIORI 255, ST BASF

13280-000 VINHEDO
DISTRITO INDUSTRIAL
Brasil

2013-02-14
Quality Control
Rigmor Longva
rigmor.longva@basf.com
Certificate No 5220
Page 1 of 4

Inspection Certificate 3.1 according to EN 10204

OMEVITAL 33/22 EE

190KG Cilindros de aço
Purchase Order/Customer Product#
4907278001
00000000050222338

Material	50222338
Order	3008754049 000010
Delivery	3411093662 000010
Lot	23421906
Lot/Qty	4560.000 KG
Total	4560.000 KG
Transport	UF 35259

Revision No. 02

Characteristic Method	Unit	Value	Lower Limit	Upper Limit
EPA (Eicosapentaenoic acid)	A %	35	33	
DHA (Docosahexaenoic acid)	A %	23	22	
Total omega-3 fatty acids GC, AM007	A %	70	65	

EPA (Eicosapentaenoic acid)	mg/g	290	270	
DHA (Docosahexaenoic acid)	mg/g	200	180	
Total omega-3 fatty acids Ph.Eur. 2.4.29	mg/g	580	550	

EPA (Eicosapentaenoic acid, EE)	mg/g	320	300	
DHA (Docosahexaenoic acid, EE)	mg/g	210	200	
Total omega-3 fatty acids (EE) Ph.Eur. 2.4.29	mg/g	630	600	

Oligomers and partial glycerides	A %	4.7		7.0
Ethyl esters Ph.Eur. 2.2.30	A %	95.3	93	

Cholesterol Enz., AM019	mg/g	2		2

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Characteristic Method	Unit	Value	Lower Limit	Upper Limit
Peroxide value (PV) Ph.Eur. 2.5.5 (Method A)	meq/kg	< 1		5
Anisidine value (AV) Ph.Eur. 2.5.36	-	4		20.0
TOTOX (2xPV+AV) Calculated	-	5		26
Acid value Ph.Eur. 2.5.1	mg KOH/g	0.3		2.0
Unsaponifiable matter Ph.Eur. 2.5.7	w/w%	0.5		1.0
Absorbance at 233 nm Ph.Eur. 2.2.25	AU	0.29		0.60
Specific gravity (25°C) AOCS To 1a-64	-	0.897	0.892	0.902
Colour Gardner AOCS Td 1a-64	-	2		5
Cold Test AOCS Cc 11-53	-	passed	3 hours 0°C	

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Characteristic Method	Unit	Value	Lower Limit	Upper Limit
Lead	mg/kg	passed		0.1
Cadmium	mg/kg	passed		0.1
Mercury	mg/kg	passed		0.1
Arsenic	mg/kg	passed		0.1
AAS/ICP-OES-MS				
DDT	mg/kg	passed		0.05
DDD	mg/kg	passed		0.05
DDE	mg/kg	passed		0.05
HCB	mg/kg	passed		0.05
GC(LFGB L00.00-34)				
PCB(IUPAC No 28, 52, 101, 138, 153, 180)	mg/kg	passed		0.09
PCB (209 Congeners)	mg/kg	passed*		0.09
Dioxins and Furans (WHO-PCDD/F-TEQ)	pg/g	passed		1.75
Dioxin+Furans+d1-PCBs (WHO-PCB-TEQ)	pg/g	passed		3
HRGC-HRMS (EN 1948 mod)				
Benzo(a)pyrene	µg/kg	passed		2.0
GC-MS				
Benzo(a)pyrene+Benz(a)anthracene +				



The Chemical Company

Certificate of Analysis

BASF SE

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* Analysed on random sample basis

Ref. External Lab.	23421906
Released by	Rigmor Longva

Production date	09.12.2012
Release date	14.01.2013
Best before/retest date	09.12.2014