

Certificate of Analysis OMEGA-3 (33/22 EE)

Identity & Composition

Item	Details
Capsule shell source	Bovine hide
Fish oil (3322 EE, area method)	1,000 mg
D-alpha tocopherol (1000 IU/g)	12 mg

General Specification

Items	Specifications	Results
Appearance	Clear shell containing yellowish transparent oil fill	Complies
Shape & size	20 Minim oblong	Complies
Fill weight	1012 mg $\pm$ 7.5%	1011.2 mg
Shell weight	370 mg $\pm$ 7.5%	Complies
Total weight	1382 mg $\pm$ 7.5%	1389.0 mg
Disintegration	$\leq$ 30 minutes	10 minutes

Active Ingredient (Area %)

Items	Specifications	Results
EPA (EE)	33.0% (330 mg)	34.2% (342 mg)
DHA (EE)	22.0% (220 mg)	24.0% (240 mg)
Total Omega-3	$\geq$ 65%	66.6%



Capsule Shell Composition

Component	Amount
Gelatin	250 mg
Glycerol	113 mg
Purified water	7 mg

Microbiological Tests

Items	Specifications	Results
Total viable aerobic count	$\leq 1 \times 10^4$ CFU/g	< 10 CFU/g
Yeast & mould	$\leq 1 \times 10^2$ CFU/g	< 10 CFU/g
<i>Salmonella</i>	Negative / 10 g	Negative / 10 g
<i>E. coli</i>	Negative / g	Negative / g
<i>Staphylococcus aureus</i>	Negative / 10 g	Negative / 10 g

Purity & Oxidative Indices

Items	Specifications	Results
Heavy metals (as Pb)	≤ 20 ppm	< 20 ppm
Lead (Pb)	≤ 3 ppm	< 3 ppm
Cadmium (Cd)	≤ 1 ppm	< 1 ppm
Arsenic (As)	≤ 1 ppm	< 1 ppm
Mercury (Hg)	≤ 0.1 ppm	< 0.1 ppm
Peroxide value (PV)	≤ 10 meq/kg	2.7 meq/kg



Items	Specifications	Results
p-Anisidine value (AV)	≤ 15.0	11.2
Acid value	≤ 1.0 mg KOH/g	0.6 mg KOH/g
TOTOX (2×PV + AV)	≤ 26	16.6
Sum of dioxins	≤ 1.75 pg/g fat	Complies
Sum of dioxins & dioxin-like PCBs	≤ 6.0 pg/g fat	Complies
Sum of PCB 28, 52, 101, 138, 153, 180	≤ 200 ng/g fat	Complies
Benzo(a)pyrene	≤ 2.0 µg/kg	Complies
Sum of PAHs (benzo(a)pyrene, benzo(a)anthracene, benzo(a)fluoranthene, chrysene)	≤ 10.0 µg/kg	Complies

Storage

Store in a cool, dry place; keep away from strong light and heat.

