

INSOLENT [LABS]

TASA Certificate of Analysis

Product: Refined 1812 TG Fish Oil
Code specification: OMG04-S22 ver.01
Product Code: TO109648
Batch Number: S222171005

Test Name	Results	Specifications	Methods
Appearance	Clear Oil	Clear Oil	Organoleptic
Identification	Comply	Sample peaks retention time meets standard	Ph Eur. Method 2.4.29
Color	6-	Max 6 Gardner	AOCS Td 1a-64
Free fatty acid	0,06 %	Max 0,25 %	AOCS Ca 5a-40
Acid Value	0,1 mg KOH / g	Max 0,5 mg KOH/g	AOCS Ca 5a-40
Insaponifiable matter	1,0 %	Max 1,5 %	ISO 3596
p-Anisidine value (A)	6,1	Max 20,0	Ph Eur. Method 2.5.36
Peroxi de value(P)	0,5 mEq/kg	Max 3,0 mEq/kg	Ph Eur. Method 2.5.5 B
TOTOX	7	Max 26	Calculated (2P+A)
Moisture	< 0,1 %	Max 0,1 %	Karl Fischer
Cold test / Stearin	Pass	10 mL remains clear after cooling at 0 °C for 3 h	Ph. Eur.
EPA	18,3 %	Min 18,0 %	AOCS Ce 1b-89
DHA	12,4 %	Min 12,0 %	AOCS Ce 1b-89
EPA+DHA	30,7 %	Min 30,0 %	Calculated
Total Omega	38,6 %	Min 35,0 %	AOCS Ce 1b-89
EPA as TG	166 mg/g	Min 160 mg/g	Ph Eur. Method 2.4.29
DHA as TG	112 mg/g	Min 100 mg/g	Ph Eur. Method 2.4.29
Total Omega as TG	350 mg/g	Min 300 mg/g	Ph Eur. Method 2.4.29
EPA as FFA	159 mg/g	Min 150 mg/g	Ph Eur. Method 2.4.29
DHA as FFA	108 mg/g	Min 100 mg/g	Ph Eur. Method 2.4.29
Total Omega as FFA	336 mg/g	Min 290 mg/g	Ph Eur. Method 2.4.29

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Parameters testing twice in a year			
Test Name	Results	Specifications	Methods
Saponification value	Comply*	Min. 180 mg KOH / g	External laboratory
Specific gravity	Comply*	Min. 0,91 – Max. 0,94	External laboratory
Absorbance	Comply*	Max. 0,70 AU	Ph Eur 2.2.25
Dioxins & Furans: PCDDs & PCDFs	Comply*	Max. 1,75 µg WHO-PCDD/F-TEQ/g	External laboratory
Total Dioxins, Furan & Dioxin- likes PCB	Comply*	Max. 2 µg WHO-PCDD/F+PCB TEQ/g	External laboratory
Dioxin-Like PCBs.	Comply*	Max. 3,0 µg WHO-Dioxin Like PCBs-TEQ/g	External laboratory
PCBs	Comply*	Max. 0,09 mg/kg (ppm)	External laboratory
Lead (Pb)	Comply*	Max. 0,1 mg/kg (ppm)	External laboratory
Arsenic inorganic (As)	Comply*	Max. 0,1 mg/kg (ppm)	External laboratory
Mercury (Hg)	Comply*	Max. 0,1 mg/kg (ppm)	External laboratory
Cadmium (Cd)	Comply*	Max. 0,1 mg/kg (ppm)	External laboratory
Benzo(a)pyrene	Comply*	Max. 2 ppb	External laboratory
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene.	Comply*	Max 10 ppb	External laboratory

Note: This batch meets the specifications stated in this certificate.

This batch does not contain any component of GMO origin.

*Complies to established batch testing frequency protocols based on historical results.