

Certificate of analysis

Seamega Oil 4030 TG-XO Ultra

Code: HUA-EP4030TGN.XO

Specification

Batch N° : 240134
 Production date : 27/03/2024
 Expiration date : 26/03/2027

Test

| Test | Min. value | Max. value | Unit | Result | Method |
|---|------------|------------|------------------------|----------|--------------|
| APPEARANCE AT ROOM TEMPERATURE characteristics, bland, mild fish like | | | Clear oil | CO | Organoleptic |
| Acid value | | 1.0 | mg KOH/g | 0.1 | SN002 |
| Colour | | 6 | Gardner | 2 | SN030 |
| Peroxide value | | 3.0 | meq O ₂ /kg | 0.1 | SN009 |
| Anisidine value | | 8 | - | 3 | SN014 |
| Total oxidation (Totox) | | 10 | . | 3 | SN001 |
| Absorbance 233 nm | | 0.60 | AU | 0.27 | SN047 |
| Triglycerides | 90 | | A% | 94 | SN064 |
| Oligomers | | 1.0 | A% | ND | SN064 |
| EPA; Eicosapentaenoic acid C20 :5 | | | A% | 44 | SN003 |
| DHA ; Docosahexaenoic acid C22 :6 | | | A% | 33 | SN003 |
| DPA; Docosapentaenoic acid C22 :5 n-3 | | | A% | 4 | SN003 |
| Total n-3 (7) | | | A% | 85 | SN003 |
| Total n-3 : EPA, DHA, 18:3, 18:4, 20:4, 21:5, 22:5 | | | | | SN003 |
| EPA; Eicosapentaenoic acid C20 :5 (TG) | 400 | 480 | mg/g | 409 | SN003 |
| DHA ; Docosahexaenoic acid C22 :6 (TG) | 300 | 370 | mg/g | 307 | SN003 |
| DPA; Docosapentaenoic acid C22 :5 n-3 (TG) | | | mg/g | 35 | SN003 |
| Total n-3 (7 TG) | 780 | 960 | mg/g | 796 | SN003 |
| Total n-3 : EPA, DHA, 18 :3, 18 :4, 20 :4, 21 :5, 22 :5 | | | | | SN003 |
| EPA; Eicosapentaenoic acid C20 :5 (FA) | 384 | 462 | mg/g | 393 | SN003 |
| DHA ; Docosahexaenoic acid C22 :6 (FA) | 288 | 356 | mg/g | 295 | SN003 |
| Total n-3 (7 FA) | 750 | 923 | mg/g | 765 | SN003 |
| Total n-3 : EPA, DHA, 18 :3, 18 :4, 20 :4, 21 :5, 22 :5 | | | | | |
| Mixed tocopherol | 3.0 | 4.5 | mg/g | 3.8 | SN081 |

Tests on Raw material EPAX (analysis transfer according to certificate of Epax)

ND: Not Detected
 CO: Compliant

| Test | Min. value | Max. value | Unit | Result | Method |
|--|------------|------------|--------|--------|--------|
| Frequency analyses from date : The following frequency analyses are analysed 1 times pr. Year with the latest results as reported below : | | | 270423 | | |
| Unsaponifiable | | 3 | % | CO | SN018 |
| Frequency analyses from date : The following frequency analyses are analysed 3 times pr. Year with the latest results as reported below : | | | 151123 | | |
| As, Arsenic | | 0.1 | mg/kg | CO | SN500 |
| Cd, Cadmium | | 0.005 | mg/kg | CO | SN500 |
| Pb, Lead | | 0.025 | mg/kg | CO | SN500 |
| Hg, Mercury | | 0.005 | mg/kg | CO | SN500 |
| DDT (sum : o,p' + p,p') | | 0.005 | mg/kg | CO | SN500 |
| DDD (sum : o,p' + p,p') | | 0.005 | mg/kg | CO | SN021 |
| DDE p,p' | | 0.005 | mg/kg | CO | SN021 |
| HCB | | 0.005 | mg/kg | CO | SN021 |
| PCBs all 209 Included IUPAC-no. 28, 52, 101, 138, 153,180 | | 0.01 | mg/kg | CO | SN521 |
| Brominated flame retardants IUPAC no. 47, 99, 100, 153, 154,183 | | 0.002 | mg/kg | CO | SN500 |
| DEHP | | 1 | mg/kg | CO | SN021 |
| Benzo(a)pyrene | | 1.0 | ng/g | CO | SN501 |
| Sum 4 PAH | | 5.0 | ng/g | CO | SN501 |
| Dioxinlike PCBs (TE WHO) | | 2 | pg/g | CO | SN516 |
| Dioxins+furans (TE WHO) | | 1 | pg/g | CO | SN516 |
| Dioxins+furans+dioxinlike PCBs (TE WHO) | | 2.5 | pg/g | CO | SN516 |
| Trans fatty acids (sum of 10) | | 0.9 | % | CO | SN003 |

Tests on Raw material EPAX (analysis transfer according to EPAX certificate)

CO: Compliant

This edition approved on the: April 08, 2024

Prepared by: Quality Department

