

# 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<br>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 <sub>2</sub> /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 :<br>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 :<br>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  |
| TCDF   |            | 0.005      | mg/kg | CO     | SN021  |
| PCBs all 209<br><small>Included IUPAC-no. 28, 52, 101, 138, 153,180</small>  |            | 0.01       | mg/kg | CO     | SN521  |
| Brominated flame retardants<br><small>IUPAC no. 47, 99, 100, 153, 154,183</small>  |            | 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

