



Quality and purity analysis of Biosym's marine and plant based Omega-3 preparations

Product: Veg Omega-3
L-nr.: 2008033
Best before end: 08.2022
Analysis made by: Independent analysis laboratory
Result: **Approved**

The product is significantly below the national and international standards set for quality and purity on Omega-3 supplements.

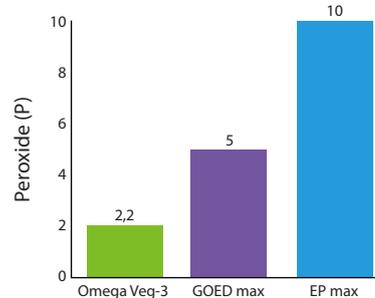
Your product (L-nr.)

Peroxide values

The peroxide value is used to tell "the story" about the quality of the fat and oil at the time of manufacture. As oxidation causes rancidity, the peroxide value test is necessary to quantitatively determine if the fat and oil is oxidized, and the degree to which it has been oxidized.

GOED = International organization for omega-3 producers have set the maximum limit of 5 meq/kg.

EP = European Pharmacopeia (requirements for European pharmaceuticals) has set the maximum limit of 10 meq/kg.



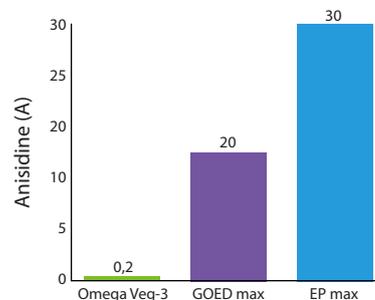
Anisidine values

The anisidine value is used to tell "the story" about the state of the oil and fat in "it's lifetime", i.e. in the store or at the home in the cabinet.

The anisidine value deal with oil and fat and with the secondary oxidation-process which causes rancidity too and degrade the quality.

GOED = International organization for omega-3 producers have set the maximum limit of 20 meq/kg.

EP = European Pharmacopeia (requirements for European pharmaceuticals) has set the maximum limit of 30 meq/kg.



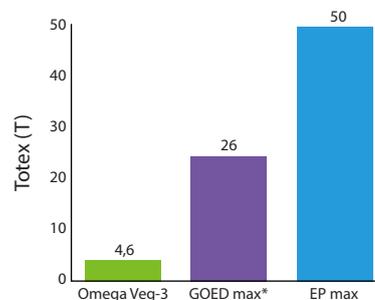
Totox (oxidation) values

Totox value are used to show the whole oxidation story. A measure often used to express the total extent of oxidation of an oil, is the TOTOX which is defined as:

Totox value: $(T = 2 \times P + A)$.

GOED = International organization for omega-3 producers have set the maximum limit of 26 meq/kg.

EP = European Pharmacopeia (requirements for European pharmaceuticals) has set the maximum limit of 50 meq/kg.



* It gives a figure of 30 according to the form. However, GOED has chosen to put the value a little lower to 26