# *Biochemical product analysis*

| **BioMarine® liquid 100 ml** | |
|---|---|
| Series: **2301601** | Best before: **01.2025** |
| Production date: **01.2023** | |

Analytical specification:

| Parameter | Specification | Score | Unit | Method |
|---|---|---|---|---|
| **Squalene*** | min. 210 | **209** | mg/g | Computational |
| **DAGE (Diacylglycerols)*** | min. 550 | **538** | mg/g | Computational |
| **AKG (Alkylglycerols)** | min. 200 | **210** | mg/g | Computational |
| | | | | |
| Appearance (room temperature) | clear, yellow to amber coloured liquid | Compatible | - | Visual |
| Density (25$^{O}$C) | report | 0,89 | g/ml | AOCS To 1a-64 |
| | | | | |
| Peroxide number (PV) | max. 5 | 1,9 | meq/kg | Titration |
| Anisidine number (AV) | max. 20 | 3,71 | - | Spectrophoto-metric |
| Acid number | max. 2 | 0,18 | mg KOH/g | Titration |
| TOTOX | max. 26 | 7,51 | - | Computational |
| Lead | max. 0,10 | passed | mg/kg | ICP-MS |
| Cadmium | max. 0,1 | passed | mg/kg | |
| Mercury | max. 0,10 | passed | mg/kg | |
| Arsenic | max. 0,1 | passed | mg/kg | |
| PCB (IUPAC No 28,52,101,138,153,180) | max. 200 | passed | ng/kg | EC 2017/644 |
| Dioxins and furans (WHO-PCDD/F-TEQ) | max. 1,75 | passed | pg/g | EC 2017/644 |
| Dioxins, furans, dl-PCBs (WHO-PCDD/F-PCB-TEQ) | max. 6,0 | passed | pg/g | |
| Benzopyrene | max. 2,0 | passed | µg/kg | LC-FLD |
| Benzopyrene + Benzoanthracene + Benzofluoranthene + Chrysene | max. 10,0 | passed | µg/kg | LC-FLD |
| 3-MCPD | 2500 | passed | µg/kg | GC-MS/MS |
| Glycidol | 1000 | passed | µg/kg | Computational |

* Some product batches may contain slightly lower alkylglycerol, DAGE or squalene content. This is due to the fact that these are natural products and obtained from the livers of various species of deep sea sharks from the Squaliformes order. Therefore, depending on the species and time of fishing - shark livers may have different content of the above-mentioned substances.

Additives: Mixed tocopherols (E306).

Data presented on the basis of laboratory analyzes and manufacturer's certificate.