

# OMEGA-3 PURITY REPORT

Examples of measured environmental contaminants for Pure Arctic Oils produced in 2024

Date: 01.10.2024

	Results Pure Arctic Oils	Max limit values in GOED Monograph	WHO; The CODEX Alimentarius Commission for fish oils / Commission Regulation (EU) 2023/915
<b>Arsenic (As)*</b>	< 0.1 mg/kg	< 0.1 mg/kg	< 0.1 mg/kg
<b>Cadmium (Cd)</b>	< 0.001 mg/kg	< 0.1 mg/kg	N/A
<b>Mercury (Hg)</b>	< 0.005 mg/kg	< 0.1 mg/kg	< 0.1 mg/kg
<b>Lead (Pb)</b>	< 0.005 mg/kg	< 0.05 mg/kg	< 0.1 mg/kg

\*Standard measured value for arsenic is inorganic arsenic (Ph. Eur Method 2.4.27 and GOED Monograph).

Results are in the Limit of Quantification (LOQ) for the method.

Analytical method used for heavy metals of Pure Arctic Oils: DIN EN 15763:2010 (2010-04), mod., CON-PV 01274 (2022-06), ICP-MS; ASU L 25.06-1 (2008-12), mod., CON-PV 01288 (2020-05), HG-AAS.

	Results Pure arctic Oils	Max limit values in GOED Monograph	Commission Regulation (EU) 2023/915
<b>Dioxins and furans*</b>	CONFORMS	Maximum 1,75 pg - WHOPCDD/F-TEQ/g **	Maximum 1 pg - WHOP-CDD/F-TEQ/g **

\*Polychlorinated Dibenzo-p-dioxins (PCDDs, Dioxins) and polychlorinated Dibenzofurans (PCDFs, Furans).

\*\* Analytical results relating to around 17 individual dioxin congeners and are expressed in a single quantifiable unit expressed in World Health Organization (WHO) as TEQ.

Analytical method used for Dioxins and Furans: GLS DF 110:2023-02-27, GC-MS/MS

	Results Pure arctic Oils	Max limit values in GOED Monograph	Commission Regulation (EU) 2023/915
<b>PCBs (209) *</b>	CONFORMS* *	Maximum 0.09 mg/kg **	Maximum 0.045 mg/kg **

\* Polychlorinated biphenyls (includes 209 single congeners)

\*\* Total PCBs is expressed on a basis as a sum of all 209 congeners.

Analytical method used for PCB analysis: DF110:23-02-27;DF130:22-11-09, GC-HRMS

	Results Pure arctic Oils	Max limit values in GOED Monograph	Commission Regulation (EU) 2023/915
<b>Dioxin-like PCBs</b>	CONFORMS *	Maximum 3 pg/g (WHO-TEQ) *	Maximum 1.5 pg/g (WHO-TEQ) *

\*expressed in a single quantifiable unit expressed in World Health Organization (WHO) as TEQ.

Analytical method used for Dioxin-like PCBs: GLS DF 110:2023-02-27, GC-MS/MS

	Results Pure arctic Oils	Max limit values in GOED Monograph
<b>Total Dioxins, Furans and Dioxin-like PCBs</b>	CONFORMS *	Maximum 3 pg WHO-TEQ/g *

\* expressed in a single quantifiable unit expressed in World Health Organization (WHO) as TEQ..

Analytical method used for Total Dioxins, Furans and Dioxin-like PCBs: DF:110-4/120-4/130-3/140-5, Calculation

All safety and quality testing of Eqology products is conducted by an independent, accredited external laboratory. This laboratory specialises in the analysis of raw materials and operates in compliance with internationally recognised accreditation standards.