

**MARINEX****23 YEARS OF SCIENTIFIC RESEARCH**

ON THE EFFECTS OF NUTRITION CONSISTENT WITH THE GENETICS AND PHYSIOLOGY OF THE HUMAN BODY

## *Biochemical product analysis*

### **BioMarine® Medical** Immuno & Neuro Lipids

Series: **2204002**Production date: **04.2022**Best before: **04.2024**

Analytical specification:

Parameter	Specification	Score	Unit	Method
EPA (eicosapentaenoic acid omega-3)	min. 260	<b>290</b>	mg / 5 ml	Computational
DHA (docosahexaenoic acid omega-3)	min. 1050	<b>1113</b>	mg / 5 ml	Computational
Sum of omega-3 fatty acids	min. 1420	<b>1679</b>	mg / 5 ml	Computational
Squalene	min. 340	<b>388</b>	mg / 5 ml	Computational
DAGE (Diacylglycerols)	min. 880	<b>1209</b>	mg / 5 ml	Computational
AKG (Alkylglycerols)	min. 320	<b>352</b>	mg / 5 ml	Computational
Vitamin A	report	<b>315,1</b>	IU / 5 ml	AOAC 974.29 Mod
Vitamin D <sub>3</sub>	report	<b>20,2</b>	IU / 5 ml	Huang etc. MS 2014
Appearance (room temperature)	bright golden oil	Compatible	-	Visual
Peroxide number (PV)	max. 5	2,0	meq/kg	Ph.Eur. 2.5.5 (Met.A)
Anisidine number (AV)	max. 20	8,5	-	Ph.Eur. 2.5.36
Acid number	max. 2	0,2	mg KOH/g	Ph.Eur. 2.5.1
TOTOX	max. 26	12,5	-	Computational
Lead	max. 0,10	passed	mg/kg	AAS/ICP-OES/MS
Cadmium	max. 0,1	passed	mg/kg	
Mercury	max. 0,10	passed	mg/kg	
Inorganic arsenic	max. 0,1	passed	mg/kg	
Total arsenic	report	passed	mg/kg	
PCB (IUPAC No 28,52,101,138,153,180)	max. 200	passed	ng/kg	HRGC-HRMS (EN1948 mod)
Dioxins and furans (WHO-PCDD/F-TEQ)	max. 1,75	passed	pg/g	HRGC-HRMS (EN1948 mod)
DI-PCBs (WHO-PCB-TEQ)	max. 6,0	passed	pg/g	
Benzopyrene	max. 2,0	passed	µg/kg	GC-MS
Benzopyrene + Benzoanthracene + Benzofluoranthene + Chrysene	max. 10,0	passed	µg/kg	GC-MS
3-MCPD	max. 2500	passed	µg/kg	GC-MS
Glicidol	max. 1000	passed	µg/kg	GC-MS

Additives: Mixed tocopherols (E306), natural berry flavour.

Certificate based on analyzes by: Lodz University of Technology, Institute of Natural Raw Materials and Cosmetics and Europharma Alliance sp z o. o.