

## Technical Data Sheet



Production Code:	JC130089A
Production description:	Cod liver oil 500 mg capsule
Document Code:	33001
Country of Origin	Iceland
Fish Type (species):	Atlantic Cod ( <i>Gadus morhua</i> )
Description:	Transparent hard fish gelatin capsules containing a clear light yellow oil with out sediment at room temperature (21°C)
Antioxidant:	Rosemary leaves mixed with natural tocopherols. Min 1 mg/g (based on oil input)
Shelf life:	3 years from date of manufacture
Standard Packaging:	Sealed glass jar within carton box
Storage:	This product maintains stability when stored in a tight light resistant container in cool dry place at a temperature between 15°C and 25°C and at relative humidity of 35-65%

### Active Ingredients

Common name:	Specification	Method
EPA(mg/g as FFA)	Min. 35, Max. 80 mg/cap	
DHA(mg/g as FFA)	Min. 25, Max. 80 mg/cap	AOAC 996 06.
Total Omega-3 (mg/g)	Min. 65, Max. 155 mg/cap	
Sum of 18:3w3, 18:4w3, 20:4w3, 21:5w3, 22:5w3, 22:6w3		

### Fill Weight

Fill Weight	500 mg +/- 7.5 %
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### Analytical Data

Test	Specification	Method
Color	Max. 6	Gardner Colour
Free Fatty Acids (as % Oleic)	Max. 3%	AOCS(1990). 1 etdl nr. 936.16
Acid Value (AV)		AOAC 2000 Cd 3a-63
p-Anisidine value (p-AV)	Max. 20	AOCS Cd 18 - 90 (11)
Peroxide Value (PV)	Max. 3 meq/kg	EN ISO 3960:2010
Moisture	Max. 0.2%	
TOTOX	Max. 26	

### Capsule Shell Ingredients

Gelatin Type	Fish gelatin
Gelatin:	gelatin 82.1, water 13.9 mg/capsule
HEAVY METALS in capsule less than:	
Mercury:	0.1 mg/kg
Lead:	3 mg/kg
Cadmium:	1 mg/kg
	NMKL 186/2007

**Contaminant Daa (based on input oil)**

test	Specification	Method
Dioxin & Furans PCDDs & PCDFs	Max. 1.0 pg WHO-PCDD/F-TEQ/g	
Dioxin like PCBs <sup>2</sup>	Max. 3.0 pg WHO-Dioxin like PSB-TEQ/g	EC Reg 589/2014
Sum Dioxins & Furans + Dioxin Like PCBs <sup>3</sup>	Max 6.0 pg WHO-PCDD/F + Dioxin Like PCBs-TEQ/g	
Arsenic	< 0.1 ppm (mg/kg)	
Lead	< 0.05 ppm (mg/kg)	NMKL 186/2007
Cadmium	< 0.01 ppm (mg/kg)	
Mercury	< 0.005 ppm (mg/kg)	

Contaminant Testing Frequency: Tested 3 times per annum. They will be listed on the CofA (Certificate of Analysis) as compliant or updated with the most recent test results.

<sup>2</sup>Sum of IUPAC No.81. 77, 126. 169, 105.114, 118, 123 156,157. 167, 189

<sup>3</sup>Sum of IUPAC No. 28.52, 101, 118, 138, 153, 180

Approval date: 03.12.2014