

## **Krill Oil - Fatty acids**

Art. ID	NIST-8037
Unit	4 x 4,5 mL
Deliverydetails	Dry ice shipment UN1845 E0

### Description

Reference Material (RM) NIST-8037 is intended primarily for use in evaluation of analytical methods for determining fatty acids in fish oils, dietary supplements, and similar materials. This RM provides a common matrix to those in the natural products community who wish to conduct research studies. A unit of NIST-8037 consists of three screw-top tins, each containing approximately 4.5 mL of krill oil. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Reference Mass Fraction Value	Octanoic Acid (C8:0) (Caprylic Acid)		0,061 ± 0,008	mg/g		
Reference Mass Fraction Value	Decanoic Acid (C10:0) (Capric Acid)		3,15 ± 0,23	mg/g		
Reference Mass Fraction Value	Dodecanoic Acid (C12:0) (Lauric Acid)		1,35 ± 0,13	mg/g		
Reference Mass Fraction Value	Tetradecanoic Acid (C14:0) (Myristic Acid)		60 ± 11	mg/g		
Reference Mass Fraction Value	(Z)-9-Tetradecenoic Acid (C14:1) (Myristoleic Acid)		1,05 ± 0,10	mg/g		
Reference Mass Fraction Value	Hexadecanoic Acid (C16:0) (Palmitic Acid)		128,5 ± 7,8	mg/g		
Reference Mass Fraction Value	(Z)-9-Hexadecenoic Acid (C16:1 n-7) (Palmitoleic Acid)		33,8 ± 2,9	mg/g		
Reference Mass Fraction Value	Octadecanoic Acid (C18:0) (Stearic Acid)		6,9 ± 1,3	mg/g		
Reference Mass Fraction Value	(Z)-9-Octadecenoic Acid (C18:1 n-9) (Oleic Acid)		60,8 ± 4,9	mg/g		
Reference Mass Fraction Value	(Z)-11-Octadecenoic Acid (C18:1 n-7) (Vaccenic Acid)		39,7 ± 2,4	mg/g		
Reference Mass Fraction Value	(Z,Z)-9,12-Octadecadienoic Acid (C18:2 n-6) (Linoleic Acid)		16,3 ± 2,5	mg/g		

Reference Mass Fraction Value	(Z,Z,Z)-9,12,15-Octadecatrienoic Acid (C18:3 n-3) (alpha-Linolenic Acid)	8,50 ± 0,98	mg/g
Reference Mass Fraction Value	(Z,Z,Z)-6,9,12-Octadecatrienoic Acid (C18:3 n-6) (gamma-Linolenic Acid)	1,17 ± 0,29	mg/g
Reference Mass Fraction Value	Docosanoic Acid (C22:0) (Behenic Acid)	0,31 ± 0,09	mg/g
Reference Mass Fraction Value	(Z)-11-Eicosenoic Acid (C20:1 n-9) (Gondoic Acid)	3,88 ± 0,16	mg/g
Reference Mass Fraction Value	(Z,Z,Z,Z)-5,8,11,14-Eicosatetraenoic Acid (C20:4 n-6) (Arachidonic Acid)	2,49 ± 0,10	mg/g
Reference Mass Fraction Value	(Z)-13-Docosenoic Acid (C22:1 n-9) (Erucic Acid)	3,50 ± 0,51	mg/g
Reference Mass Fraction Value	(Z,Z,Z,Z,Z)-5,8,11,14,17-Eicosapentaenoic Acid (EPA)	118,8 ± 3,8	mg/g
Reference Mass Fraction Value	(Z,Z,Z,Z,Z)-7,10,13,16,19-Docosapentaenoic Acid (C22:5 n-3) (DPA)	3,28 ± 0,14	mg/g
Reference Mass Fraction Value	(Z,Z,Z,Z,Z,Z)-4,7,10,13,16,19-Docosahexaenoic Acid (C22:6 n-3) (DHA)	74 ± 11	mg/g
Reference Mass Fraction Value	Tetracosanoic Acid (C24:0) (Lignoceric Acid)	0,430 ± 0,042	mg/g
Reference Mass Fraction Value	(Z)-15-Tetracosenoic Acid (C24:1 n-9) (Nervonic Acid)	1,08 ± 0,14	mg/g