

Fish oil - Omega-3 and omega-6 fatty acids

Art. ID	NIST-3275
Unit	2 ampoules x 1,2 ml
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is intended primarily for validation of methods for determining fatty acids in fish oils and similar materials. This SRM can also be used for quality assurance when assigning values to inhouse reference materials. NIST-3275 consists of three individual oils: NIST-3275-1, a concentrate high in docosahexaenoic acid (DHA) /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
NIST-3275-1	Tetradecanoic acid (Myristic acid) (C14:0)	[544-63-8]	1,094 ± 0,053	mg/g		
NIST-3275-1	Hexadecanoic acid (Palmitic acid) (C16:0)	[57-10-3]	5,25 ± 0,35	mg/g		
NIST-3275-1	(Z)-9-Hexadecenoic acid (Palmitoleic acid) (C16:1 n-7)	[373-49-9]	7,43 ± 0,24	mg/g		
NIST-3275-1	Octadecanoic acid (Stearic acid) (C18:0)	[57-11-4]	4,22 ± 0,13	mg/g		
NIST-3275-1	(Z)-9-Octadecenoic acid (Oleic acid) (C18:1 n-9)	[112-80-1]	11,25 ± 0,93	mg/g		
NIST-3275-1	(Z)-11-Octadecenoic acid (Vaccenic acid) (C18:1 n-7)	[506-17-2]	5,33 ± 0,35	mg/g		
NIST-3275-1	(Z,Z)-9,12-Octadecadienoic acid (Linoleic acid) (C18:2 n-6)	[60-33-3]	2,31 ± 0,19	mg/g		
NIST-3275-1	?-3 (Z,Z,Z,Z,Z)-5,8,11,14,17-Eicosapentaenoic acid (EPA) (C20:5 n-3)	[10417-94-4]	113 ± 12	mg/g		
NIST-3275-1	Docosanoic acid (Behenic acid) (C22:0)	[112-85-6]	4,02 ± 0,24	mg/g		
NIST-3275-2	Tetradecanoic acid (Myristic acid) (C14:0)	[544-63-8]	3,45 ± 0,40	mg/g		
NIST-3275-2	Hexadecanoic acid (Palmitic acid) (C16:0)	[57-10-3]	8,01 ± 0,44	mg/g		

NIST-3275-2	(Z)-9-Hexadecenoic acid (Palmitoleic acid) (C16:1 n-7)	[373-49-9]	5,83 ± 0,45	mg/g
NIST-3275-2	Octadecanoic acid (Stearic acid) (C18:0)	[57-11-4]	12,94 ± 0,62	mg/g
NIST-3275-2	(Z)-9-Octadecenoic acid (Oleic acid) (C18:1 n-9)	[112-80-1]	22,1 ± 1,6	mg/g
NIST-3275-2	(Z)-11-Octadecenoic acid (Vaccenic acid) (C18:1 n-7)	[506-17-2]	9,24 ± 0,77	mg/g
NIST-3275-2	(Z,Z)-9,12-Octadecadienoic acid (Linoleic acid) (C18:2 n-6)	[60-33-3]	3,00 ± 0,42	mg/g
NIST-3275-2	Eicosanoic acid (Arachidic acid) (C20:0)	[506-30-9]	0,357 ± 0,027	mg/g
NIST-3275-2	(Z)-11-Eicosenoic acid (Gondoic acid) (C20:1 n-9)	[5561-99-9]	6,66 ± 0,69	mg/g
NIST-3275-2	Docosanoic acid (Behenic acid) (C22:0)	[112-85-6]	1,396 ± 0,046	mg/g
NIST-3275-2	(Z)-13-Docosenoic acid (Erucic acid) (C22:1 n-9)	[112-86-7]	3,43 ± 0,32	mg/g
NIST-3275-3	Dodecanoic acid (Lauric acid) (C12:0)	[143-07-7]	0,95 ± 0,12	mg/g
NIST-3275-3	Tetradecanoic acid (Myristic acid) (C14:0)	[544-63-8]	67,9 ± 1,5	mg/g
NIST-3275-3	Hexadecanoic acid (Palmitic acid) (C16:0)	[57-10-3]	186,9 ± 9,4	mg/g
NIST-3275-3	(Z)-9-Hexadecenoic acid (Palmitoleic acid) (C16:1 n-7)	[373-49-9]	85,7 ± 3,1	mg/g
NIST-3275-3	Octadecanoic acid (Stearic acid) (C18:0)	[57-11-4]	38,0 ± 5,7	mg/g
NIST-3275-3	(Z)-9-Octadecenoic acid (Oleic acid) (C18:1 n-9)	[112-80-1]	112,3 ± 2,6	mg/g

NIST-3275-3	(Z)-11-Octadecenoic acid (Vaccenic acid) (C18:1 n-7)	[506-17-2]	38,5 ± 2,2	mg/g
NIST-3275-3	(Z,Z)-9,12-Octadecadienoic acid (Linoleic acid) (C18:2 n-6)	[60-33-3]	13,49 ± 0,45	mg/g
NIST-3275-3	Eicosanoic acid (Arachidic acid) (C20:0)	[506-30-9]	1,14 ± 0,26	mg/g
NIST-3275-3	(Z)-11-Eicosenoic acid (Gondoic acid) (C20:1 n-9)	[5561-99-9]	2,92 ± 0,14	mg/g
NIST-3275-3	Docosanoic acid (Behenic acid) (C22:0)	[112-85-6]	0,502 ± 0,047	mg/g