

## **Wild-caught Coho Salmon**

Art. ID	NIST-8256
Unit	2 jars, 6 g to 8 g
Deliverydetails	Dry ice shipment /not restricted

### Description

This Reference Material (RM) is a fresh frozen fish homogenate prepared from wild-caught coho salmon (*Oncorhynchus kisutch*) collected between Yakutat and Prince of Wales Island off the coast of Alaska, USA. RM 8256 is intended to support investigations of seafood safety and seafood authenticity using genetics, crude fat, fatty acids, and total protein. All constituents for which non-certified values are provided are naturally present in the homogenate. A unit of RM 8256 consists of two glass jars, each containing approximately 6 g to 8 g (wet basis) of frozen tissue homogenate. /// Sample value(s) - please ask for current report of investigation.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Tetradecanoic acid (Myristic acid) (C14:0)	[544-63-8]	0,127 ± 0,005	g/100 g		
	Hexadecanoic acid (Palmitic acid) (C16:0)	[57-10-3]	0,502 ± 0,011	g/100 g		
	(Z)-9-Hexadecenoic acid (Palmitoleic acid) (C16:1 n-7)	[373-49-9]	0,1 ± 0,002	g/100 g		
	Octadecanoic acid (Stearic acid) (C18:0)	[57-11-4]	0,099 ± 0,002	g/100 g		
	(Z)-9-Octadecenoic acid (Oleic acid) (C18:1 n-9)	[112-80-1]	0,342 ± 0,007	g/100 g		
	(Z)-11-Octadecenoic acid (Vaccenic acid) (C18:1 n-7)	[506-17-2]	0,044 ± 0,001	g/100 g		
	(Z,Z)-9,12-Octadecadienoic acid (Linoleic acid) (C18:2 n-6)	[60-33-3]	0,048 ± 0,004	g/100 g		
	(Z,Z,Z)-9,12,15-Octadecatrienoic acid (alpha-Linolenic acid) (C18:3 n-3)	[463-40-1]	0,032 ± 0,001	g/100 g		
	(Z,Z,Z,Z)-6,9,12,15-Octadecatetraenoic acid (Stearidonic acid) (C18:4 n-3)	[20290-75-9]	0,053 ± 0,002	g/100 g		

Eicosenoic acid (C20:1)		0,135 ± 0,002	g/100 g
(Z,Z)-11,14-Eicosadienoic acid (Eicosadienoic acid) (C20:2n-6)		0,023 ± 0,001	g/100 g
omega-3 (Z,Z,Z,Z,Z)-5,8,11,14,17-Eicosapentaenoic acid (EPA) (C20:5 n-3)	[10417-94-4]	0,222 ± 0,005	g/100 g
(Z)-13-Docosenoic acid (Erucic acid) (C22:1 n-9)	[112-86-7]	0,023 ± 0,0004	g/100 g
(Z,Z,Z,Z,Z,-)-7,10,13,16,19-Docosapentaenoic acid (DPA) (C22:5 n-3)	[24880-45-3]	0,052 ± 0,001	g/100 g
omega-3 (Z,Z,Z,Z,Z,Z)-4,7,10,13,16,19-Docosahexaenoic acid (DHA) (C22:6 n-3)	[6217-54-5]	0,667 ± 0,019	g/100 g
(Z)-15-Tetracosenoic acid (Nervonic Acid) (C24:1 n-9)	[506-37-6]	0,038 ± 0,001	g/100 g
Monounsaturated Fat		0,683 ± 0,009	g/100 g
Omega-3 Fatty Acids		1,026 ± 0,028	g/100 g
omega-6 fatty acids		0,071 ± 0,003	g/100 g
Polyunsaturated Fat		1,097 ± 0,026	g/100 g
Saturated Fat		0,727 ± 0,017	g/100 g
Total fat		2,508 ± 0,043	g/100 g
Crude Fat	[n/a]	3,73 ± 0,11	%
Total Protein		23,77 ± 0,29	%