

Aquacultured Coho Salmon

Art. ID	NIST-8257
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 aquacultured coho salmon (*Oncorhynchus kisutch*) collected from a river-based facility in Washington, USA. RM 8257 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 8257 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]	0,39 ± 0,014	g/100 g		
	Pentadecanoic acid (C15:0)	[1002-84-2]	0,033 ± 0,001	g/100 g		
	Hexadecanoic acid (Palmitic acid) (C16:0)	[57-10-3]	1,527 ± 0,039	g/100 g		
	(Z)-9-Hexadecenoic acid (Palmitoleic acid) (C16:1 n-7)	[373-49-9]	0,592 ± 0,016	g/100 g		
	Heptadecanoic acid (Margaric acid) (C17:0)	[506-12-7]	0,034 ± 0,001	g/100 g		
	Heptadecenoic acid (C17:1)		0,02 ± 0,001	g/100 g		
	Octadecanoic acid (Stearic acid) (C18:0)	[57-11-4]	0,392 ± 0,007	g/100 g		
	(Z)-9-Octadecenoic acid (Oleic acid) (C18:1 n-9)	[112-80-1]	1,903 ± 0,04	g/100 g		
	(Z)-11-Octadecenoic acid (Vaccenic acid) (C18:1 n-7)	[506-17-2]	0,277 ± 0,006	g/100 g		
	(Z,Z)-9,12-Octadecadienoic acid (Linoleic acid) (C18:2 n-6)	[60-33-3]	0,685 ± 0,032	g/100 g		
	(Z,Z,Z)-9,12,15-Octadecatrienoic acid (alpha-L	[463-40-1]	0,132 ± 0,002	g/100 g		

inolenic acid) (C18:3 n-3)			
(Z,Z,Z)-6,9,12-Octadecatrienoic acid (gamma-Linolenic acid) (C18:3 n-6)	[506-26-3]	0,02 ± 0,001	g/100 g
(Z,Z,Z,Z)-6,9,12,15-Octadecatetraenoic acid (Stearidonic acid) (C18:4 n-3)	[20290-75-9]	0,097 ± 0,002	g/100 g
Eicosanoic acid (Arachidic acid) (C20:0)	[506-30-9]	0,022 ± 0,001	g/100 g
Eicosenoic acid (C20:1)		0,136 ± 0,003	g/100 g
(Z,Z)-11,14-Eicosadienoic acid (Eicosadienoic acid) (C20:2n-6)		0,056 ± 0,001	g/100 g
Homo-gamma-Linolenic acid (C20:3n-6)		0,023 ± 0,001	g/100 g
(Z,Z,Z,Z)-5,8,11,14-Eicosatetraenoic acid (Arachidonic acid) (C20:4 n-6)	[506-32-1]	0,095 ± 0,002	g/100 g
omega-3 (Z,Z,Z,Z)-5,8,11,14,17-Eicosapentaenoic acid (EPA) (C20:5 n-3)	[10417-94-4]	0,616 ± 0,01	g/100 g
(Z)-13-Docosenoic acid (Erucic acid) (C22:1 n-9)	[112-86-7]	0,02 ± 0,001	g/100 g
(Z,Z,Z,Z,Z)-7,10,13,16,19-Docosapentaenoic acid (DPA) (C22:5 n-3)	[24880-45-3]	0,259 ± 0,004	g/100 g
(Z,Z,Z,Z,Z)-4,7,10,13,16-Docosapentaenoic acid (C22:5 n-6)		0,0348 ± 0,0004	g/100 g
omega-3 (Z,Z,Z,Z,Z)-4,7,10,13,16,19-Docosahexaenoic acid (DHA) (C22:6 n-3)	[6217-54-5]	0,97 ± 0,014	g/100 g

:6 n-3)			
Monounsaturated Fat		2,948 ± 0,064	g/100 g
Omega-3 Fatty Acids		2,074 ± 0,028	g/100 g
omega-6 fatty acids		0,913 ± 0,034	g/100 g
Polyunsaturated Fat		2,987 ± 0,056	g/100 g
Saturated Fat		2,398 ± 0,062	g/100 g
Total fat		8,333 ± 0,18	g/100 g
Crude Fat	[n/a]	9,87 ± 0,24	%
Total Protein		20,60 ± 0,86	%