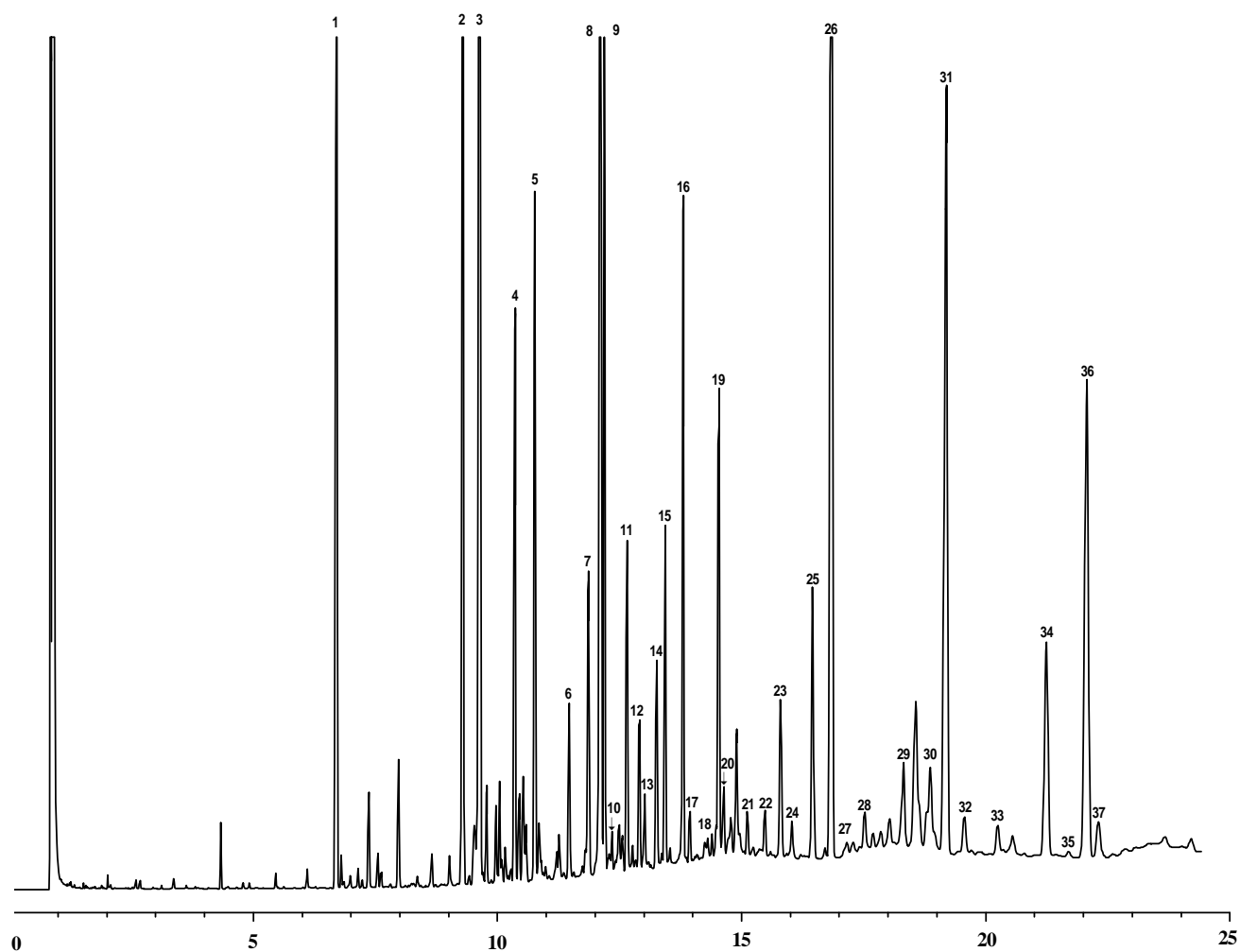


Analysis of Fatty Acid Methyl Esters (FAMES) from Menhaden Oil

(on the 30m, 0.25mm ID, 0.25 μ m FAMEWAX™ column—cat.# 12497, lot# 694)



On-column conc.: 100-150ng; **Oven temp.:** 130°C to 225°C @ 6°C/min. (hold 10 min.); **Inj./det. temp.:** 220/230°C;
Carrier gas: hydrogen set @ 45cm/sec., 130°C (1.121 min. dead time); **Split vent flow:** 40mL/min.

Analysis of FAMEs from Menhaden Oil

(on the 30m, 0.25mm ID, 0.25µm FAMEWAX™ column—cat.# 12497, lot# 694)

Peak #	FAME	Retention Time	ECLs*	Resolution (R 1.5= baseline)	Peak #	FAME	Retention Time	ECLs*	Resolution (R 1.5= baseline)
1	C14:0	6.741	14.00		20	C20:1n7	14.652	20.19	
2	C16:0	9.330	16.00		21	C20:2n6	15.138	20.56	
3	C16:1n7	9.659	16.29		22	C20:3n6	15.497	20.83	
4	C16:2n4	10.372	16.88		23	C20:4n6	15.818	21.06	
5	C16:3n4	10.784	17.20		24	C20:3n3	16.053	21.23	
6	C16:4n1	11.487	17.72		25	C20:4n3	16.472	21.52	
7	C18:0	11.882	18.00		26	C20:5n3	16.865	21.79	
8	C18:1n9	12.134	18.22		27	C22:0	17.179	22.00	
9	C18:1n7	12.212	18.28		28	C22:1n9	17.541	22.19	
10	C18:1n5	12.366	18.41		29	C22:2n6	18.338	22.58	
11	C18:2n6	12.670	18.67		30	C21:5n3	18.884	22.85	
12	C18:2n4	12.924	18.87		31	C23:0	19.213	23.00	2.57 (pks 30/31)
13	C18:3n6	13.034	18.96		32	C22:4n6	19.581	23.15	2.79 (pks 31/32)
14	C18:3n4	13.279	19.15		33	C22:5n6	20.266	23.44	
15	C18:3n3	13.452	19.29		34	C22:5n3	21.263	23.83	
16	C18:4n3	13.821	19.57		35	C24:0	21.719	24.00	
17	C18:4n1	13.958	19.67		36	C22:6n3	22.090	24.14	2.63 (pks 35/36)
18	C20:0	14.413	20.00		37	C24:1n9	22.329	24.23	1.58 (pks 36/37)
19	C20:1n9	14.551	20.11						

*These values are not conventional equivalent chain-length values obtained under isothermal conditions. However, they are still indicative of column polarity and elution order of unsaturates under specific conditions.

Call Technical Service at 800-356-1688 or 814-353-1300, ext. 4 (or your local Restek representative) if you have any questions about this product or any other Restek product.



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