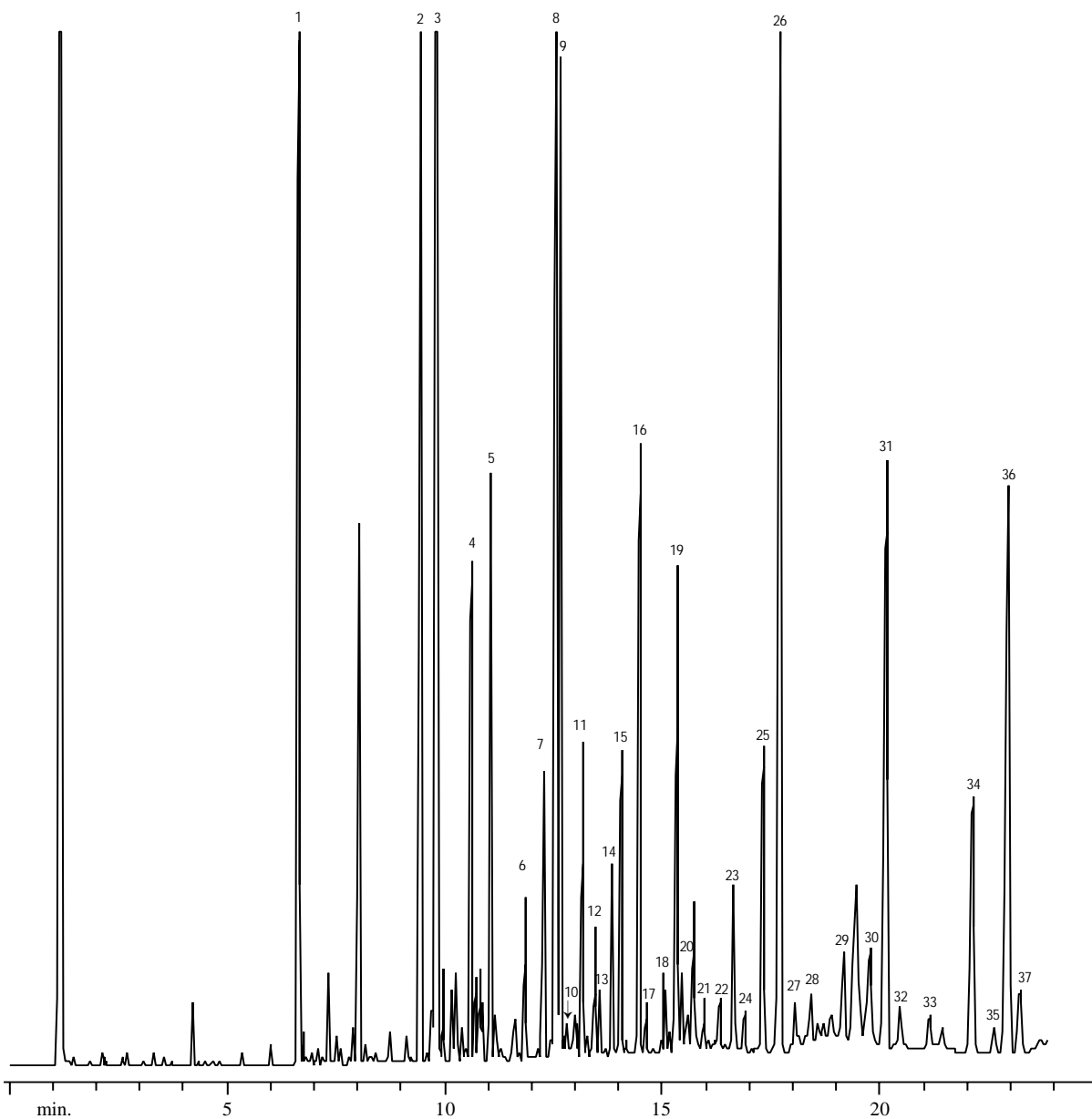


# Analysis of Fatty Acid Methyl Esters (FAMES) from Menhaden Oil

(on the 30m, 0.32mm ID, 0.25 $\mu$ m FAMEWAX™ column—cat.# 12498, 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, 0.32mm ID, 0.25µm FAMEWAX™ column—cat.# 12498, 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	6.672	14.00		20	C20:1n7	15.538	20.27	
2	C16:0	9.485	16.00		21	C20:2n6	16.049	20.63	
3	C16:1n7	9.852	16.29		22	C20:3n6	16.414	20.88	
4	C16:2n4	10.633	16.86		23	C20:4n6	16.740	21.10	
5	C16:3n4	11.094	17.18		24	C20:3n3	16.983	21.26	
6	C16:4n1	11.880	17.70		25	C20:4n3	17.410	21.53	
7	C18:0	12.362	18.00		26	C20:5n3	17.820	21.79	
8	C18:1n9	12.658	18.23		27	C22:0	18.158	22.00	
9	C18:1n7	12.746	18.30		28	C22:1n9	18.515	22.18	
10	C18:1n5	12.908	18.42		29	C22:2n6	19.275	22.56	
11	C18:2n6	13.252	18.68		30	C21:5n3	19.829	22.82	
12	C18:2n4	13.540	18.89		31	C23:0	20.210	23.00	2.52 ( pks 30/31)
13	C18:3n6	13.661	18.98		32	C22:4n6	20.532	23.14	2.11 ( pks 31/32)
14	C18:3n4	13.942	19.18		33	C22:5n6	21.203	23.41	
15	C18:3n3	14.142	19.32		34	C22:5n3	22.192	23.81	
16	C18:4n3	14.564	19.60		35	C24:0	22.698	24.00	
17	C18:4n1	14.717	19.70		36	C22:6n3	23.020	24.12	2.07 ( pks 35/36)
18	C20:0	15.168	20.00		37	C24:1n9	23.287	24.22	1.66 ( pks 36/37)
19	C20:1n9	15.428	20.19						

\*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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