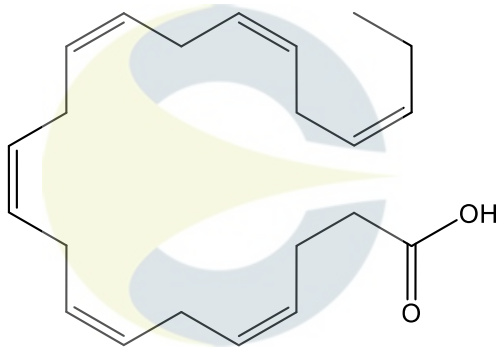


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PRODUCT NAME	Docosahexaenoic acid (DHA)	<div style="text-align: center;"> Structure  </div>
PART NUMBER	00004985	
STANDARD TYPE	Analytical Standard (AS)	
LOT NUMBER	00004985-30B	
REPORT NUMBER	CDXA-RSS-7705-01	
SAMPLE NUMBER	CDXP-17-00037	
DATE OF SAMPLE	09/22/2017	
DATE OF RE-EVALUATION	08/30/2021	
DATE OF REPORT	09/21/2021	

CHEMICAL NAMES	(all-Z)-4,7,10,13,16,19-Docosahexaenoic acid; Cervonic acid; Doconexent
CHEMICAL FORMULA	C ₂₂ H ₃₂ O ₂
MOLECULAR WEIGHT (MW)	328.49
CHEMICAL FAMILY	Fatty acids
CAS NUMBER	[6217-54-5]
EC#(EINECS)	612-950-9
RTECS	JR1230250

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	≥ 75%	98.0%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	Oil

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	08/2026 under the above conditions.

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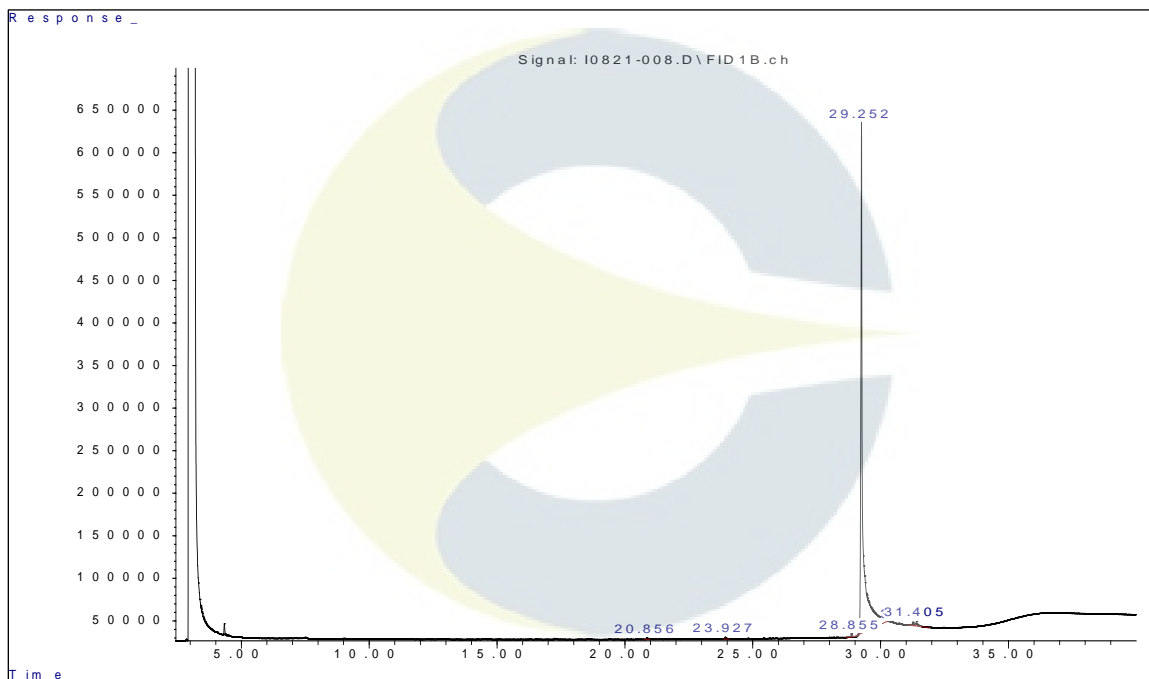
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 7890B WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5977B MASS SELECTIVE DETECTOR (MSD)
COLUMN	Phenomenex Zebron ZB-5plus, 30 m x 0.32 mm x 0.25 µm
CARRIER GAS	Helium
COLUMN TEMP.	Isothermic 40 °C for 5.0 minutes, then increasing at 10.0 °C/minute to 340 °C. Hold at 340 °C for 5.0 minutes.
FLOW RATE	2.0 mL/minute
INJECTOR TEMP.	300 °C
INJECTOR SPLIT RATIO	20:1
INJECTION VOL.	1.0 µL
INJECTION CONC.	4.1 mg/mL in Methanol
DETECTION	FID (300 °C) & MSD (Transfer line 280 °C, Source 230 °C, Quad 150 °C)

GC CHROMATOGRAM OF DOCOSAHEXAENOIC ACID (DHA) (CDXP-17-00037)



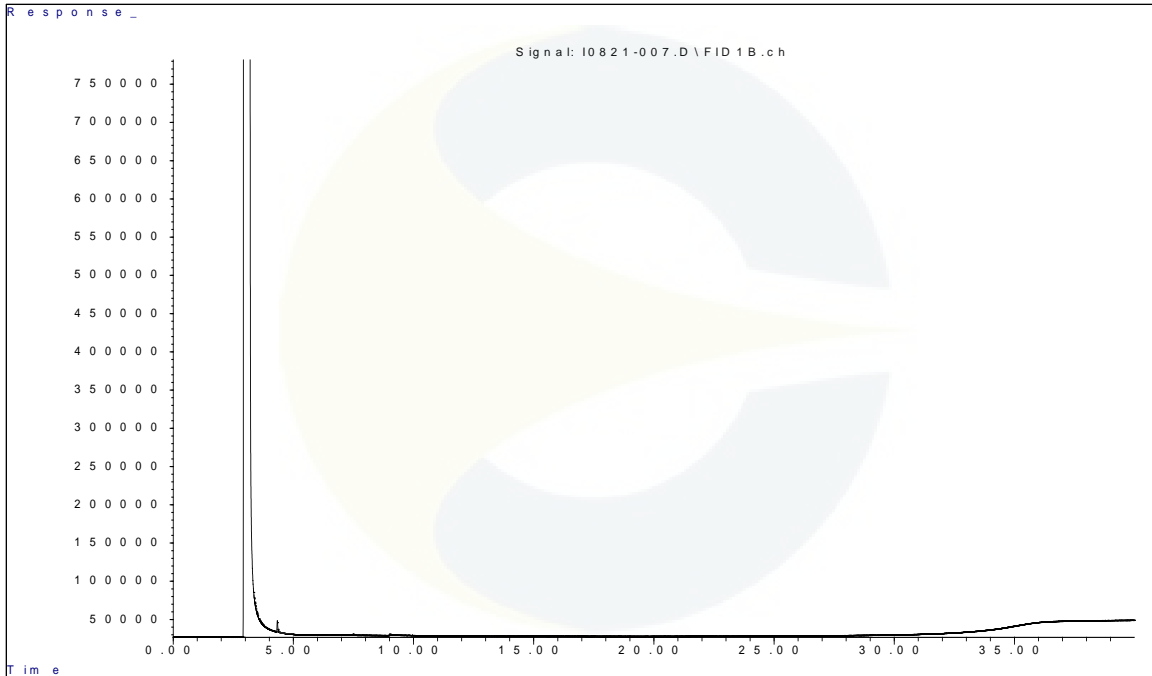
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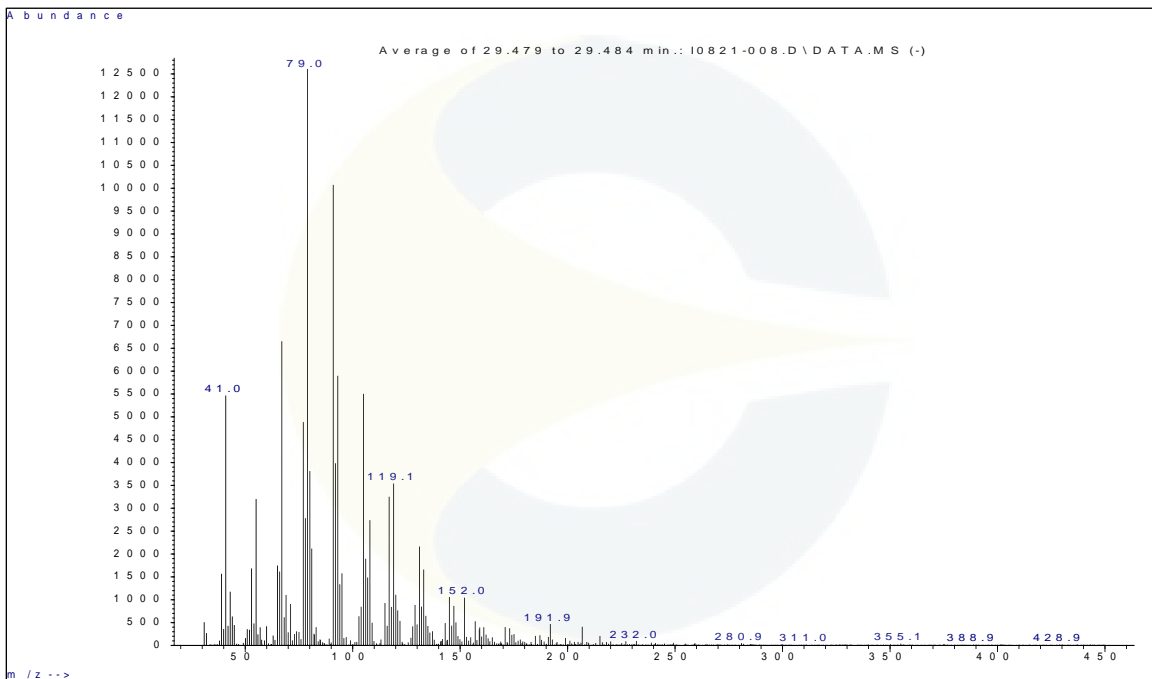
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GC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF DOCOSAHEXAENOIC ACID (DHA) (CDXP-17-00037)



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	10/17/2017	New report
01	09/21/2021	Passed re-evaluation by GC-MS. Updated expiration date, analytical results, analytical conditions, chromatograms, and mass spectrum. Added RTECS.

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