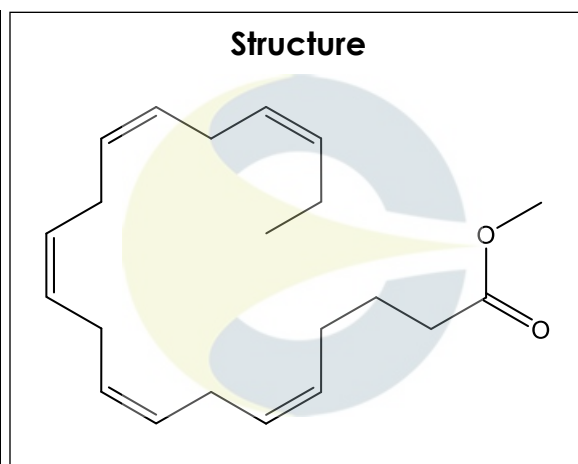


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PRODUCT NAME	Eicosapentaenoic acid methyl ester (EPA ME) (EPA ME)
PART NUMBER	00005052
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00005052-A4Y
REPORT NUMBER	CDXA-RSS-9052-00
SAMPLE NUMBER	CDXP-20-00434
DATE OF SAMPLE	06/17/2020
DATE OF REPORT	07/23/2020



CHEMICAL NAMES	cis-5,8,11,14,17-Eicosapentaenoic acid methyl ester; EPA ME
CHEMICAL FORMULA	C ₂₁ H ₃₂ O ₂
MOLECULAR WEIGHT (MW)	316.48
CHEMICAL FAMILY	Fatty acids
CAS NUMBER	[2734-47-6]
EC#(EINECS)	688-140-4
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	NA	97.2%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	Oil

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	06/2025 under the above conditions.

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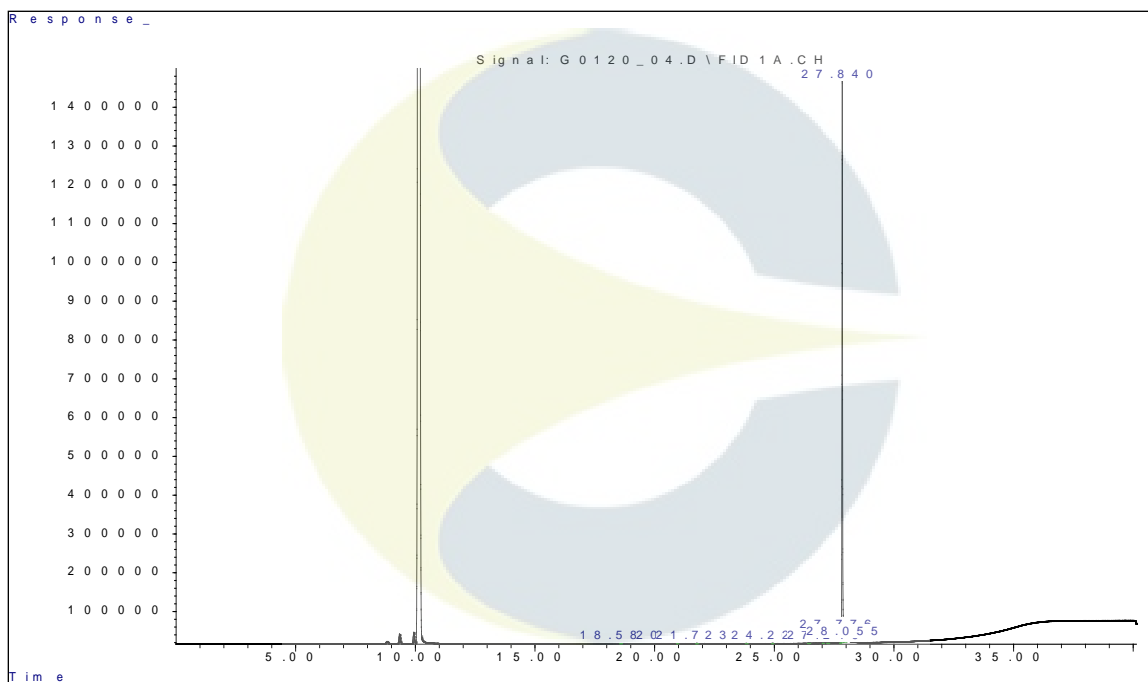
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 6890N WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5973N MASS SELECTIVE DETECTOR (MSD)
COLUMN	Phenomenex Zebron ZB-5HT Inferno, 30 m x 0.32 mm x 0.25 μm; connected to an MXT Y-union, connected to a Restek Siltek deactivated guard column: 10 m x 0.25 mm to FID; and a 5 m x 100 μm transfer line to MSD.
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.	3.7 mg/mL in Chloroform
DETECTION	FID (350 °C) & MSD (Transfer line 300 °C, Source 250 °C, Quad 200 °C)

GC CHROMATOGRAM OF EICOSAPENTAENOIC ACID METHYL ESTER (EPA ME) (CDXP-20-00434)

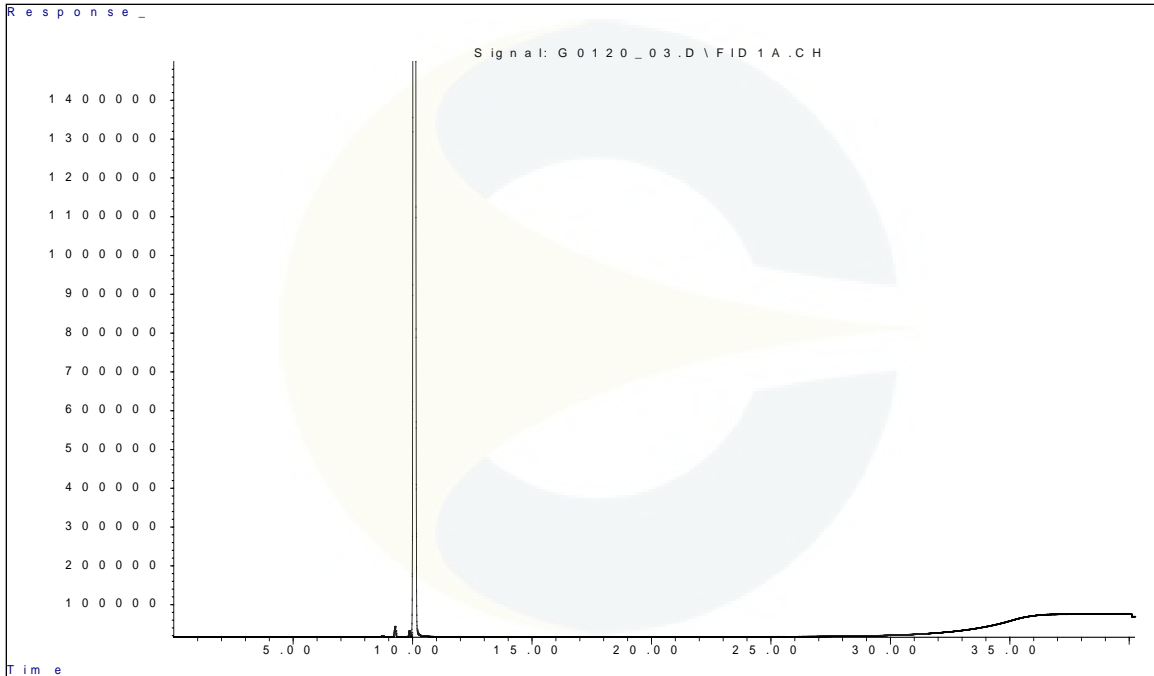


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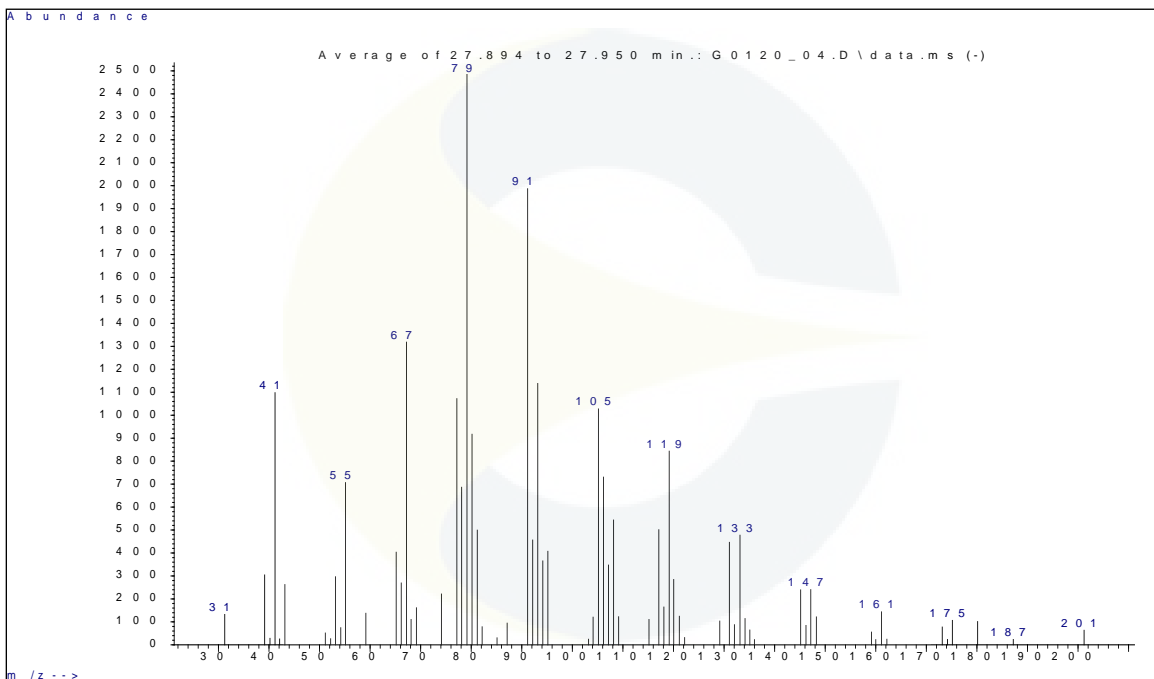
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MASS SPECTRUM OF EICOSAPENTAENOIC ACID METHYL ESTER (EPA ME) (CDXP-20-00434)



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	07/23/2020	New report

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