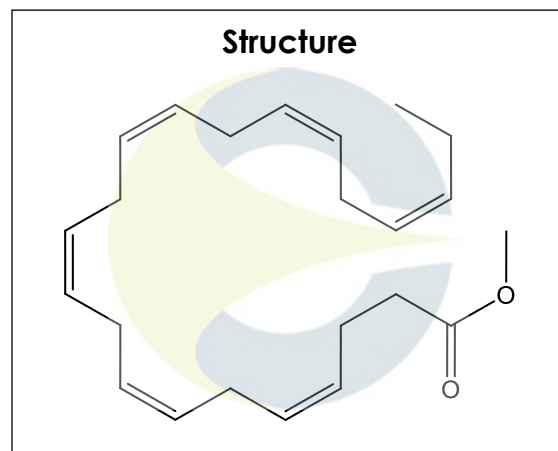


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<b>PRODUCT NAME</b>	Docosahexaenoic acid methyl ester (DHA ME)
<b>PART NUMBER</b>	00004987
<b>STANDARD TYPE</b>	Analytical Standard (AS)
<b>LOT NUMBER</b>	00004987-21Z
<b>REPORT NUMBER</b>	CDXA-RSS-9016-00
<b>SAMPLE NUMBER</b>	CDXP-20-00408
<b>DATE OF SAMPLE</b>	06/10/2020
<b>DATE OF REPORT</b>	07/09/2020



<b>CHEMICAL NAMES</b>	4,7,10,13,16,19-Docosahexaenoic acid methyl ester; Methyl 4,7,10,13,16,19-docosahexaenoate
<b>CHEMICAL FORMULA</b>	C <sub>23</sub> H <sub>34</sub> O <sub>2</sub>
<b>MOLECULAR WEIGHT (MW)</b>	342.51
<b>CHEMICAL FAMILY</b>	Fatty acids
<b>CAS NUMBER</b>	[301-01-9]
<b>EC#(EINECS)</b>	627-022-9
<b>RTECS</b>	N/A

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	NA	92.9%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	Liquid

**STORAGE CONDITIONS**

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

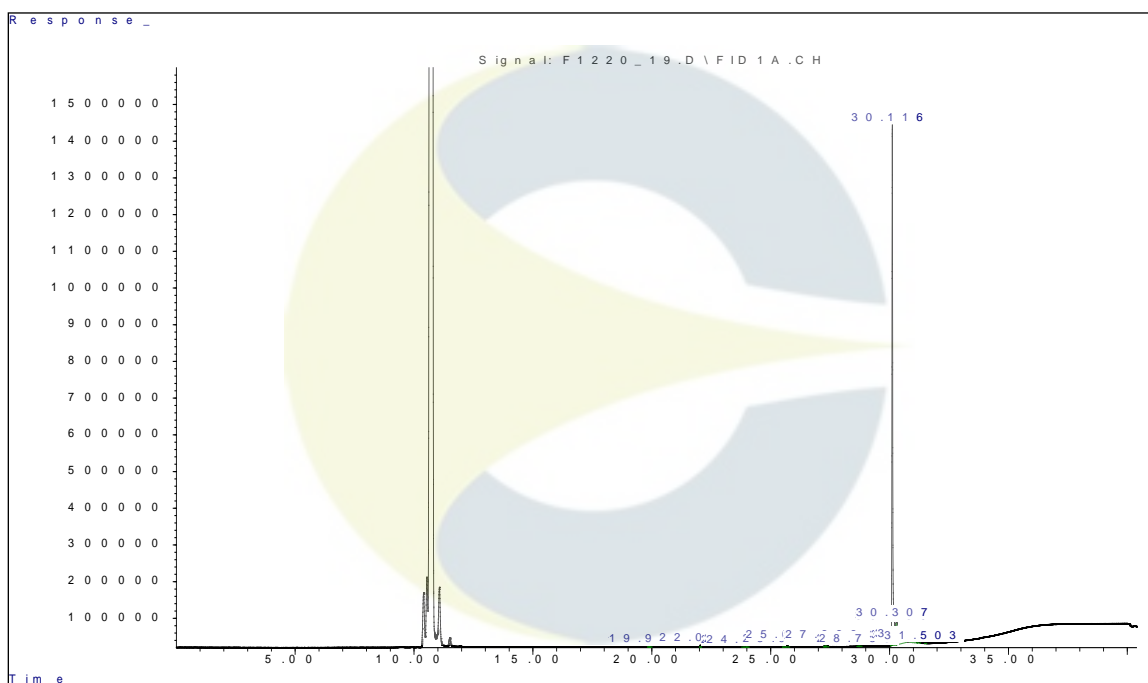
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**ANALYTICAL CONDITIONS**

<b>INSTRUMENT</b>	AGILENT 6890N WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5973N MASS SELECTIVE DETECTOR (MSD)
<b>COLUMN</b>	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.
<b>CARRIER GAS</b>	Helium
<b>COLUMN TEMP.</b>	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.
<b>FLOW RATE</b>	2.0 mL/minute
<b>INJECTOR TEMP.</b>	300 °C
<b>INJECTOR SPLIT RATIO</b>	20:1
<b>INJECTION VOL.</b>	1.0 µL
<b>INJECTION CONC.</b>	4.5 mg/mL in n-Hexane
<b>DETECTION</b>	FID (350 °C) & MSD (Transfer line 300 °C, Source 250 °C, Quad 200 °C)

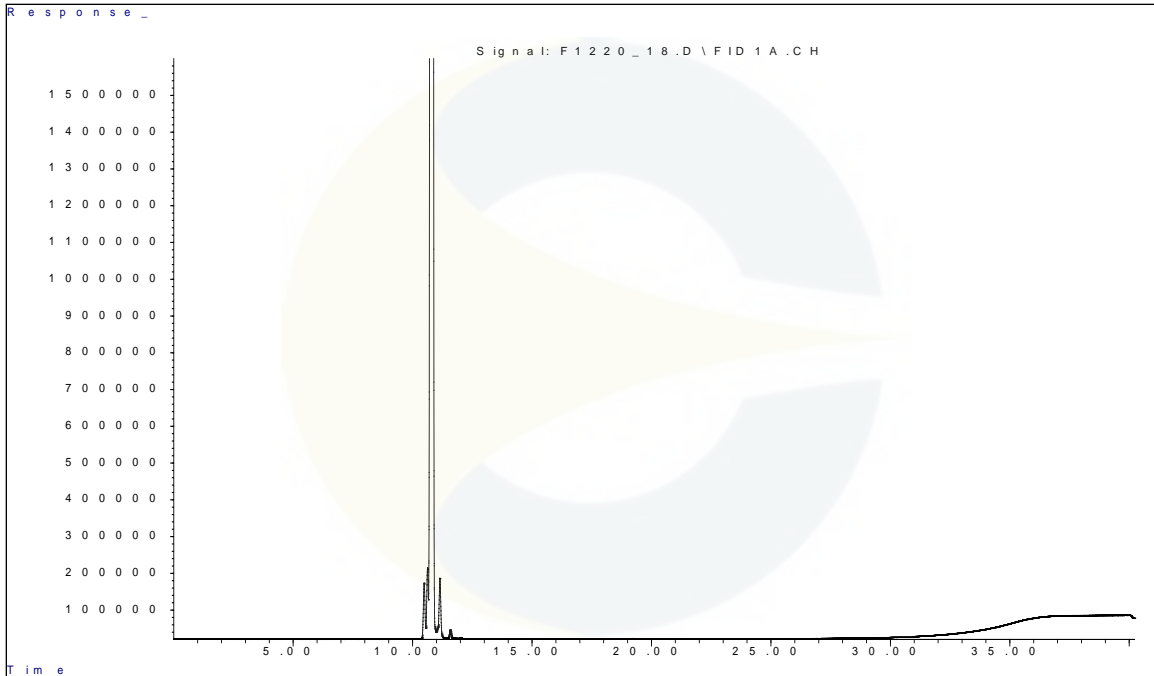
**GC CHROMATOGRAM OF DOCOSAHEXAENOIC ACID METHYL ESTER (DHA ME) (CDXP-20-00408)**


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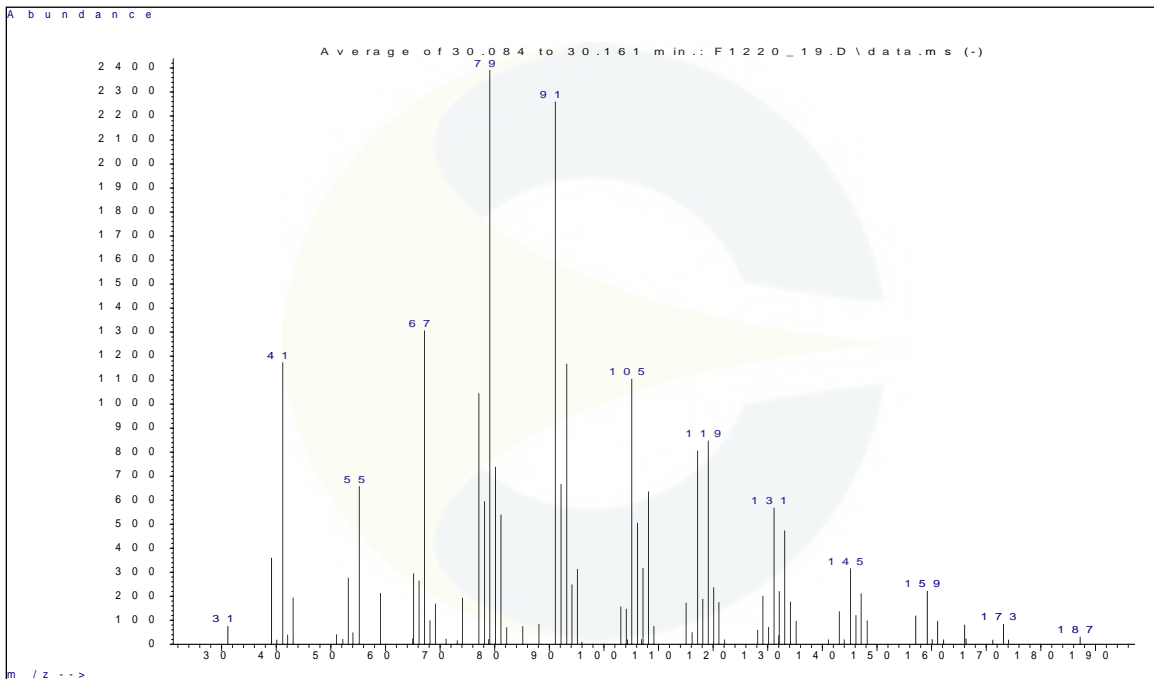
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**GC CHROMATOGRAM OF DILUENT BLANK**



**MASS SPECTRUM OF DOCOSAHEXAENOIC ACID METHYL ESTER (DHA ME) (CDXP-20-00408)**



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**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	07/09/2020	New report

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