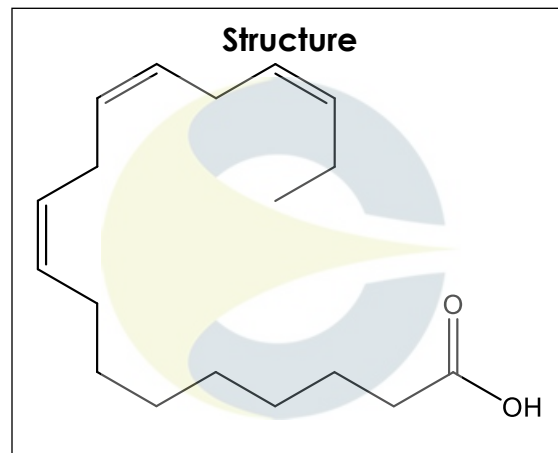


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<b>PRODUCT NAME</b>	Linolenic Acid (ALA)
<b>PART NUMBER</b>	00012271
<b>STANDARD TYPE</b>	Analytical Standard (AS)
<b>LOT NUMBER</b>	00012271-A3G
<b>REPORT NUMBER</b>	CDXA-RSS-9656-00
<b>SAMPLE NUMBER</b>	CDXP-22-00091
<b>DATE OF SAMPLE</b>	02/03/2022
<b>DATE OF REPORT</b>	02/11/2022



<b>CHEMICAL NAMES</b>	9,12,15-Octadecatrienoic acid, (9Z,12Z,15Z)- (9CI, ACI)
<b>CHEMICAL FORMULA</b>	C <sub>18</sub> H <sub>30</sub> O <sub>2</sub>
<b>MOLECULAR WEIGHT (MW)</b>	278.43
<b>CHEMICAL FAMILY</b>	Fatty Acids
<b>CAS NUMBER</b>	[463-40-1]
<b>EC#(EINECS)</b>	207-334-8
<b>RTECS</b>	RG2173000

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	≥ 75%	99.9%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	Clear oil

**STORAGE CONDITIONS**

<b>STORAGE</b>	-20 °C in a dry place.
<b>EXPIRATION DATE</b>	02/2027 under the above conditions.

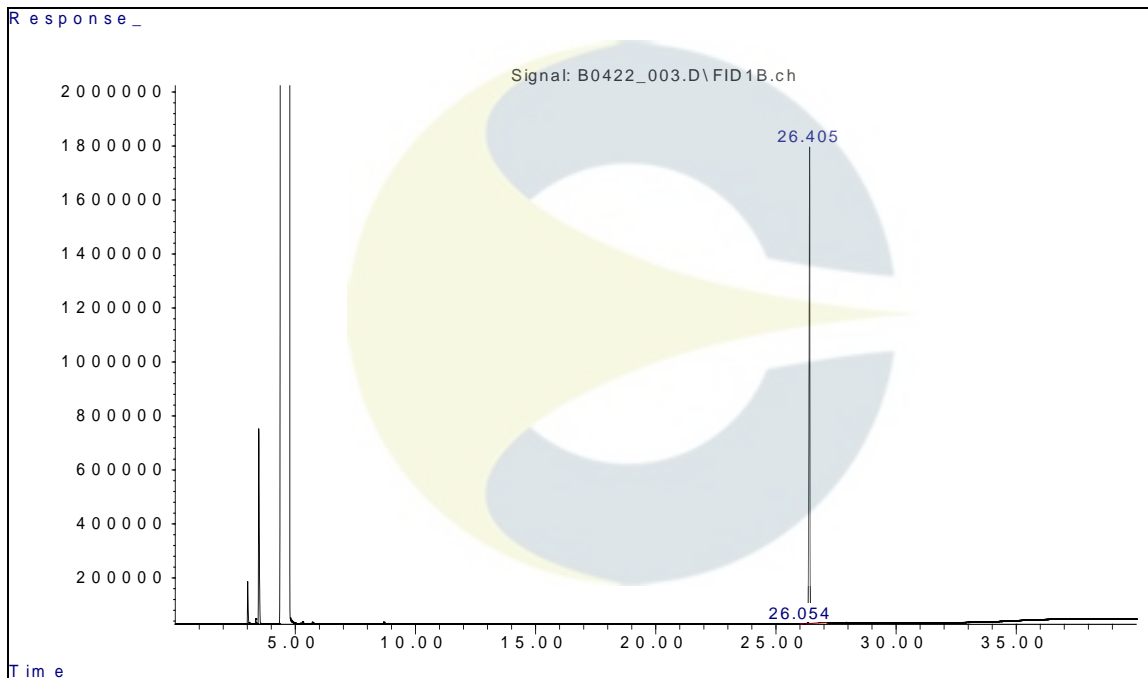
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**ANALYTICAL CONDITIONS**

<b>INSTRUMENT</b>	AGILENT 7890B WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5977B MASS SELECTIVE DETECTOR (MSD)
<b>COLUMN</b>	Phenomenex Zebron ZB-5plus, 30 m x 0.32 mm x 0.25 μm
<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>	1.7 mg/mL in Chloroform
<b>DETECTION</b>	FID (300 °C) & MSD (Transfer line 280 °C, Source 230 °C, Quad 150 °C)

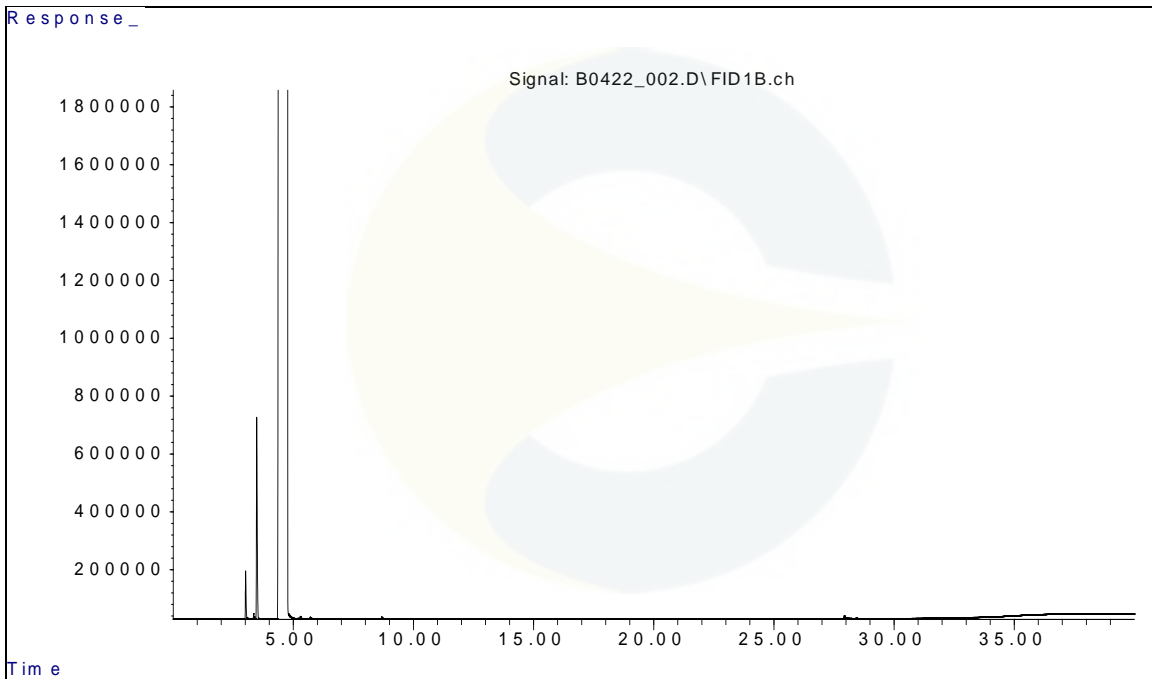
**GC CHROMATOGRAM OF LINOLENIC ACID (ALA) (CDXP-22-00091)**


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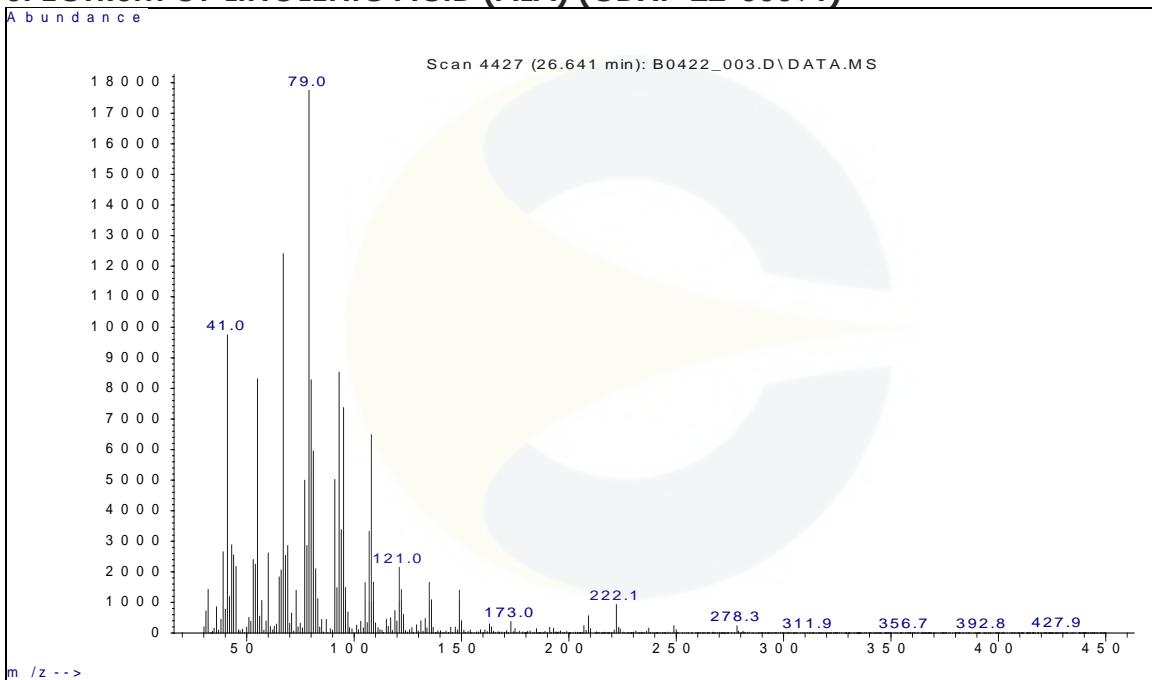
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## GC CHROMATOGRAM OF DILUENT BLANK



## MASS SPECTRUM OF LINOLENIC ACID (ALA) (CDXP-22-00091)



### REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	02/11/2022	New report

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