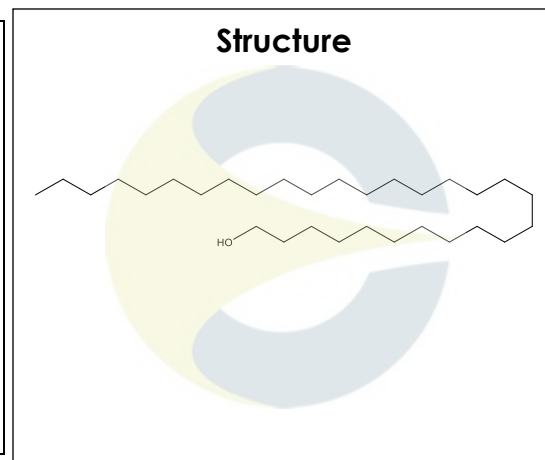


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<b>PRODUCT NAME</b>	1-Triacontanol
<b>PART NUMBER</b>	00020350
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00020350-301
<b>REPORT NUMBER</b>	CDXA-RSS-9321-00
<b>SAMPLE NUMBER</b>	CDXP-21-00167
<b>DATE OF SAMPLE</b>	03/09/2021
<b>DATE OF REPORT</b>	04/16/2021



<b>CHEMICAL NAMES</b>	1-Hydroxytriacontane; Melissyl alcohol; Myricyl alcohol
<b>CHEMICAL FORMULA</b>	C <sub>30</sub> H <sub>62</sub> O
<b>MOLECULAR WEIGHT (MW)</b>	438.81
<b>CHEMICAL FAMILY</b>	Fatty alcohols
<b>CAS NUMBER</b>	[593-50-0]
<b>EC#(EINECS)</b>	209-794-5
<b>RTECS</b>	XX4000000

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	98.5%
GC	0.700.10.2.METH140	≥ 90%	98.6%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Ethyl Acetate – 1330 ppm
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

\*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 98.5% IS BASED ON (100 - 0.1 SOLVENTS - 0.0 WATER) X 98.6% GC

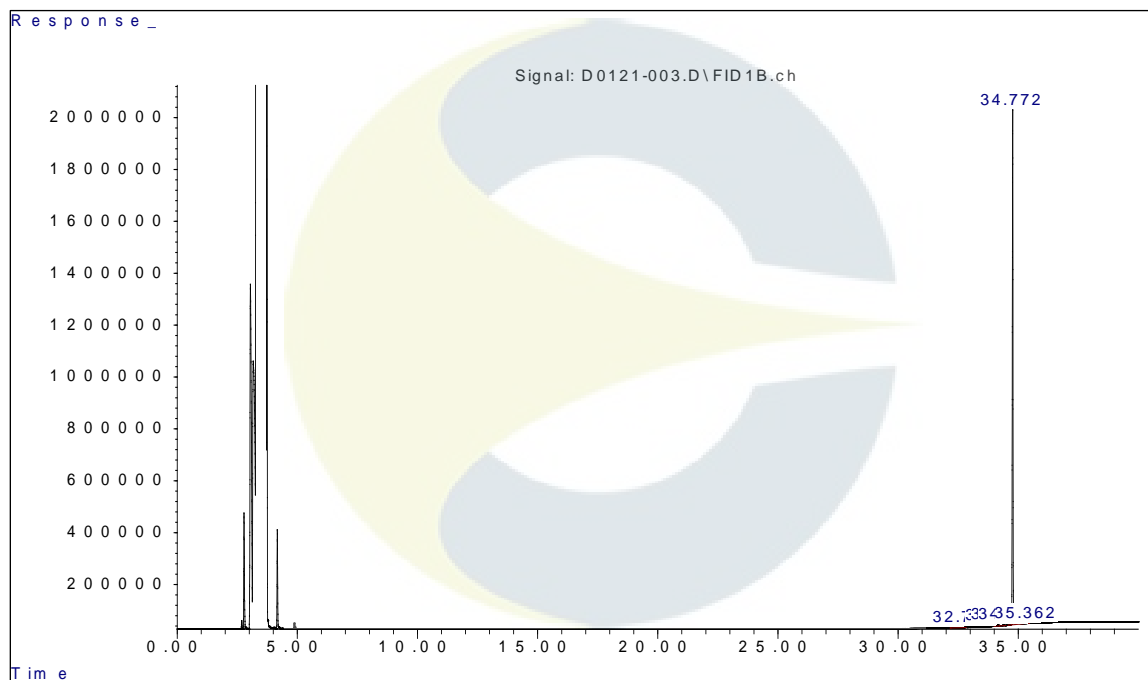
**STORAGE CONDITIONS**

<b>STORAGE</b>	Room Temperature in a dry place.
<b>EXPIRATION DATE</b>	03/2026 under the above conditions.

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**ANALYTICAL CONDITIONS**

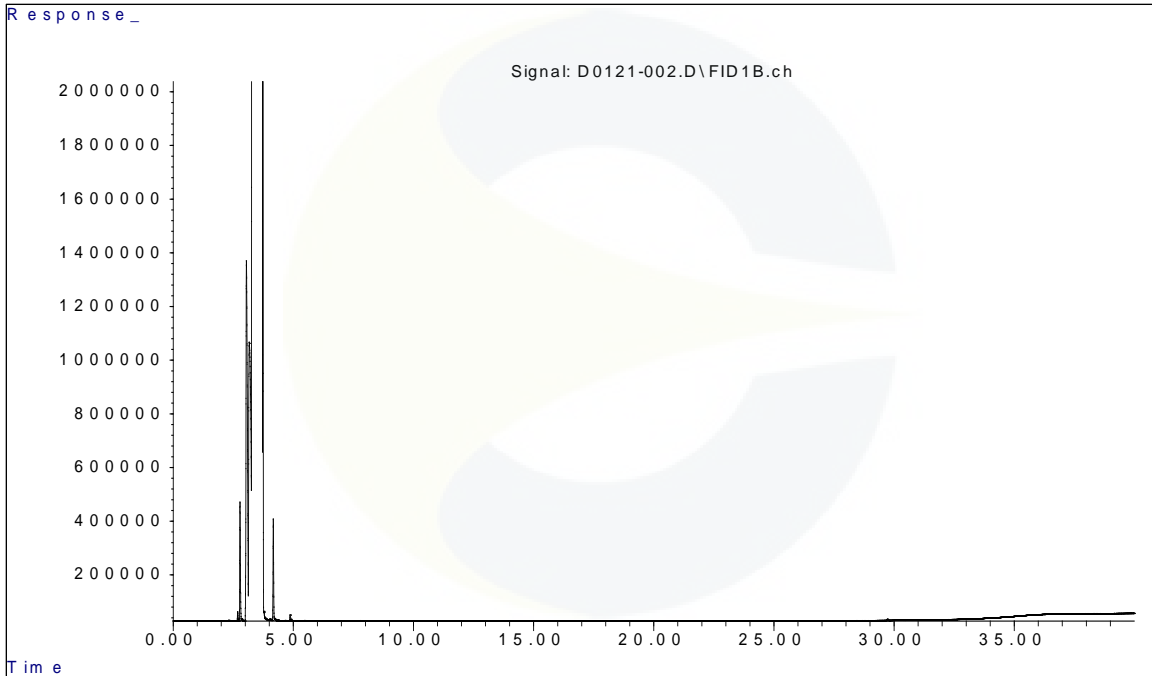
<b>INSTRUMENT</b>	AGILENT 7890B WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5977B MASS SELECTIVE DETECTOR (MSD)
<b>COLUMN</b>	Phenomenex Zebron ZB-5plus, 30 m x 0.32 mm x 0.25 µm
<b>CARRIER GAS</b>	Helium
<b>COLUMN TEMP.</b>	Isothermic 40 °C for 5.0 minutes, then increasing at 10.0 °C/minute to 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>	1.4 mg/mL in n-Hexane: Chloroform (1:1)
<b>DETECTION</b>	FID (300 °C) & MSD (Transfer line 280 °C, Source 230 °C, Quad 150 °C)

**GC CHROMATOGRAM OF 1-TRIACONTANOL (CDXP-21-00167)**


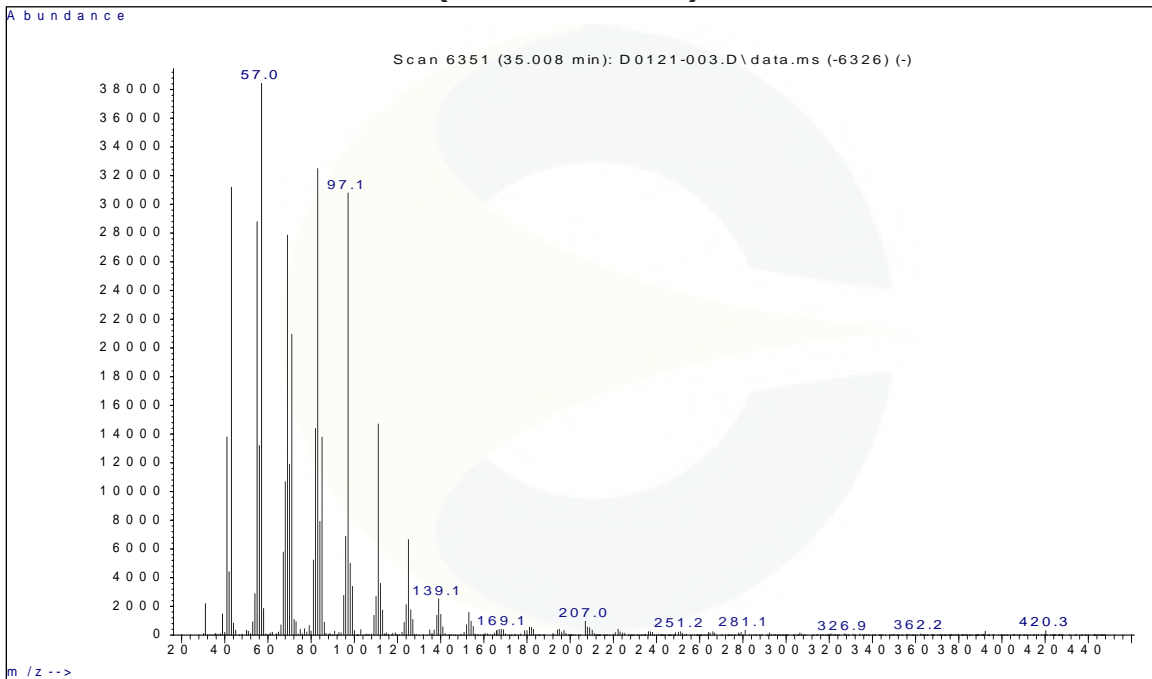
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**GC CHROMATOGRAM OF DILUENT BLANK**



**MASS SPECTRUM OF 1-TRIACONTANOL (CDXP-21-00167)**

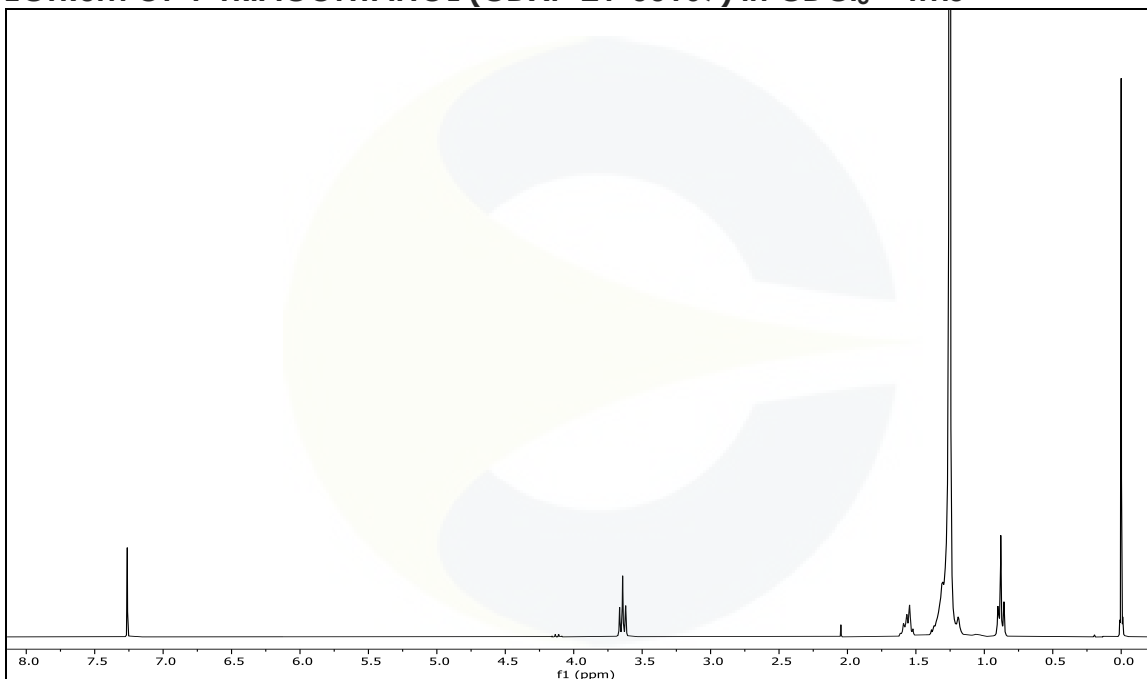


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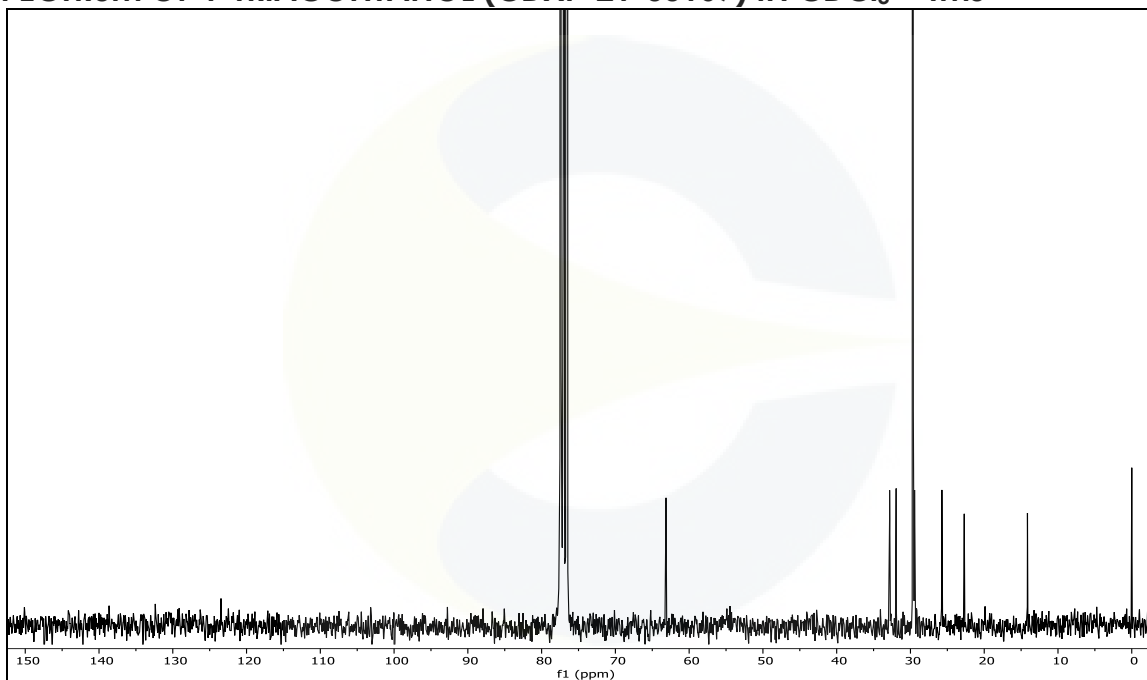
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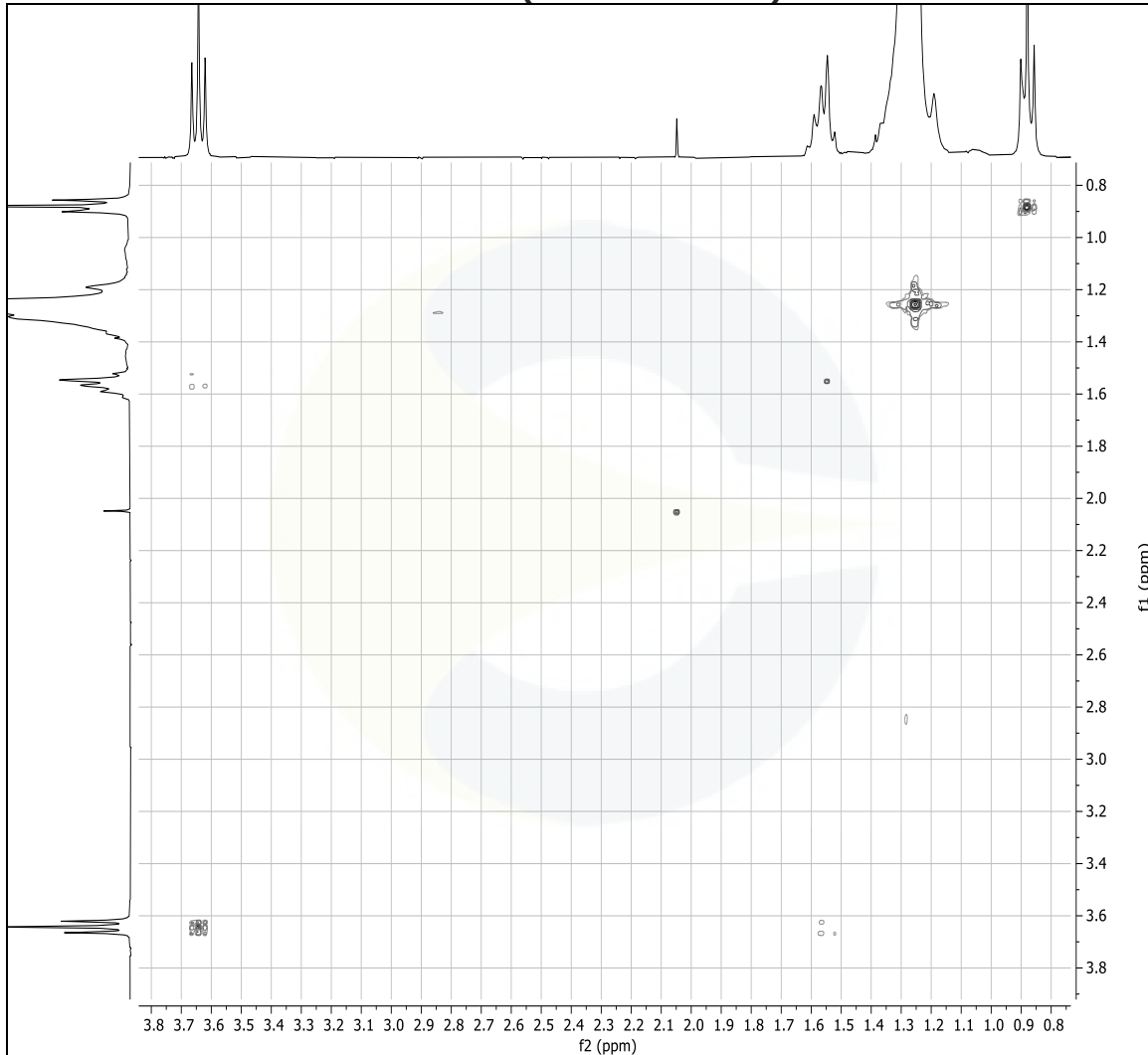
**<sup>1</sup>H-NMR SPECTRUM OF 1-TRIACONTANOL (CDXP-21-00167) in CDCl<sub>3</sub> + TMS**



**<sup>13</sup>C-NMR SPECTRUM OF 1-TRIACONTANOL (CDXP-21-00167) IN CDCl<sub>3</sub> + TMS**



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**COSY-NMR SPECTRUM OF 1-TRIACONTANOL (CDXP-21-00167) IN CDCl<sub>3</sub> + TMS**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	04/16/2021	New report

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