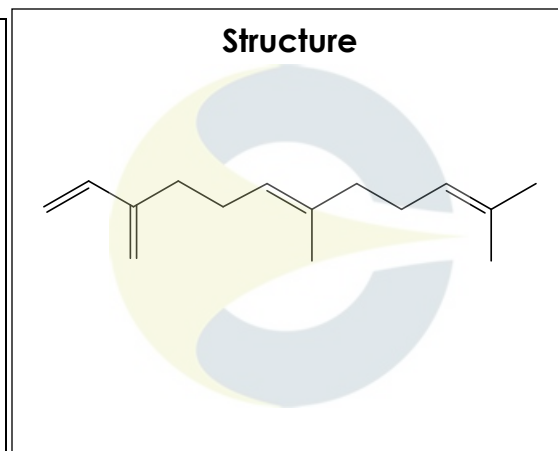


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PRODUCT NAME	trans-beta-Farnesene
PART NUMBER	00006002
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00006002-701
REPORT NUMBER	CDXA-RSS-9382-00
SAMPLE NUMBER	CDXP-21-00415
DATE OF SAMPLE	05/21/2021
DATE OF REPORT	06/17/2021



CHEMICAL NAMES	(6E)-7,11-Dimethyl-3-methylene-1,6,10-dodecatriene; β -Farnesene
CHEMICAL FORMULA	C ₁₅ H ₂₄
MOLECULAR WEIGHT (MW)	204.35
CHEMICAL FAMILY	Sesquiterpenes
CAS NUMBER	[18794-84-8]
EC#(EINECS)	242-582-0
RTECS	JR4976330

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	≥ 75%	96.5%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	Colorless liquid

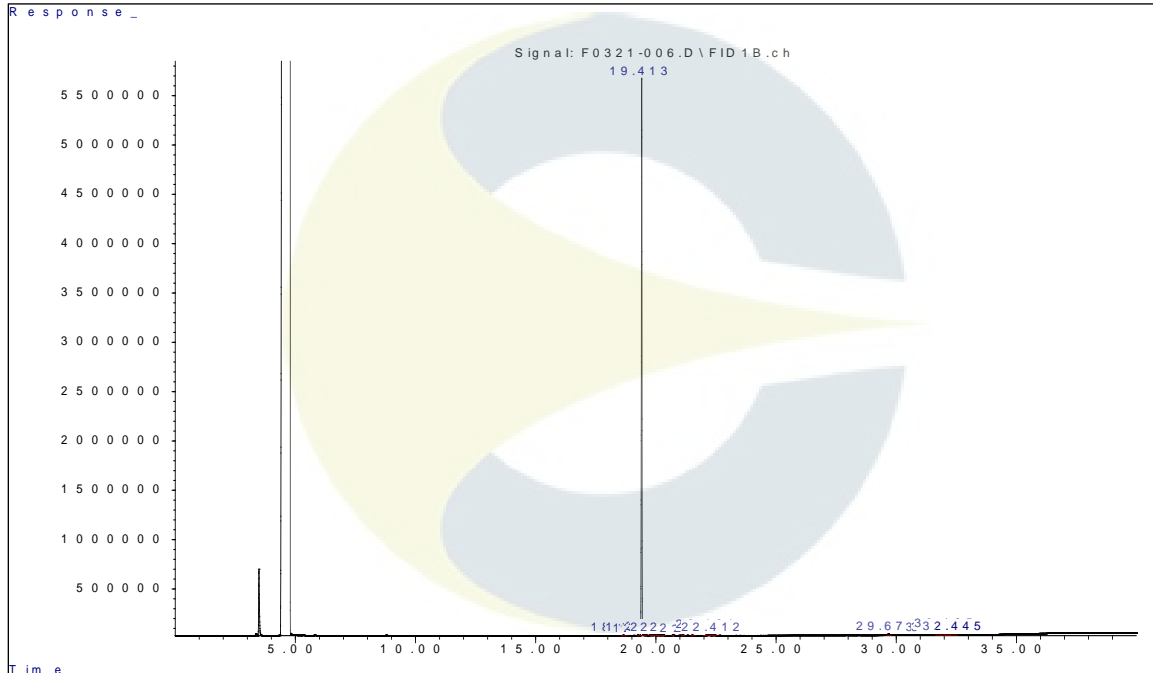
STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	05/2026 under the above conditions.

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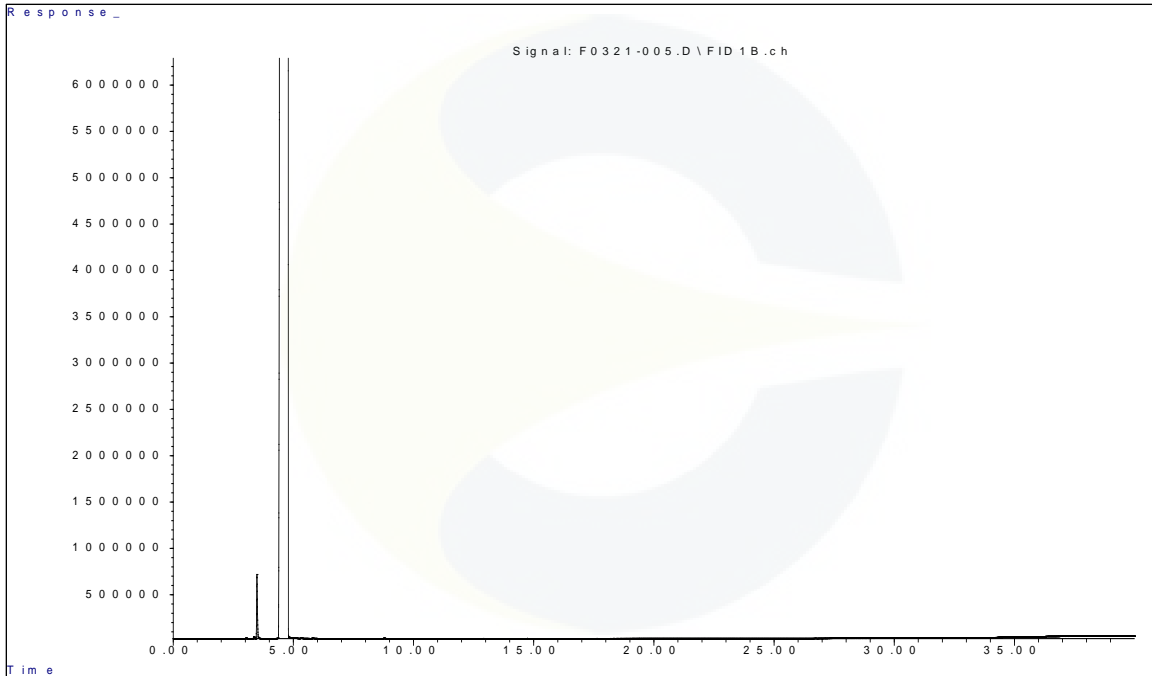
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ANALYTICAL CONDITIONS

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.	1.5 mg/mL in Chloroform
DETECTION	FID (300 °C) & MSD (Transfer line 280 °C, Source 230 °C, Quad 150 °C)

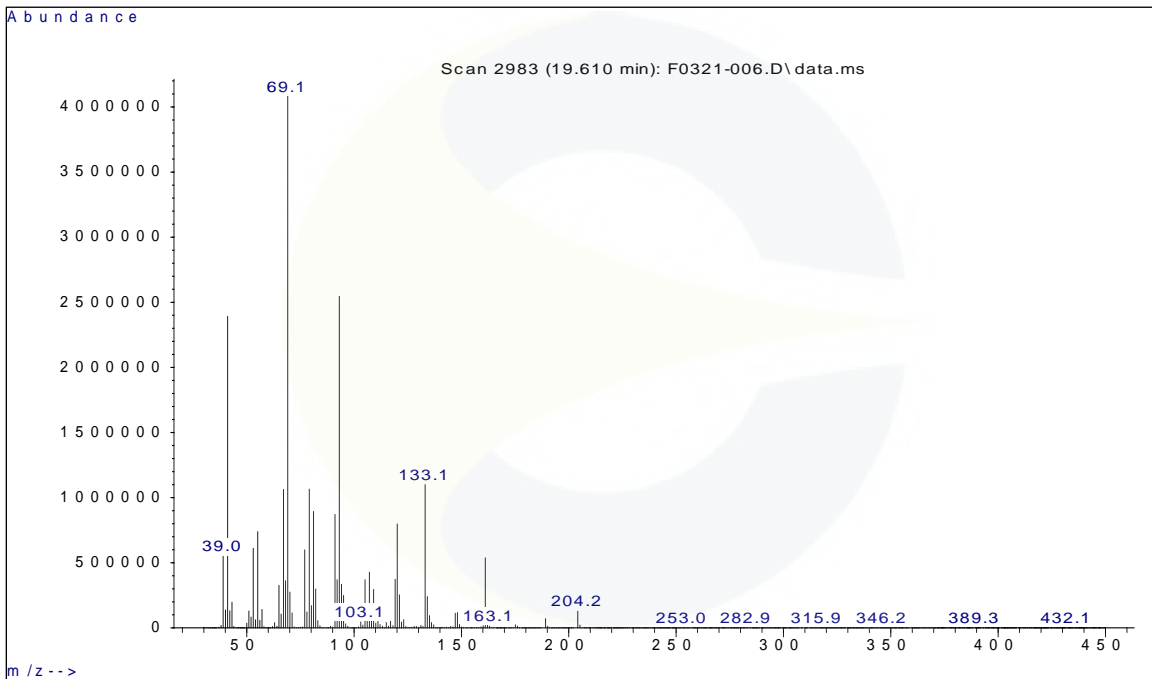
GC CHROMATOGRAM OF TRANS-BETA-FARNESENE (CDXP-21-00415)


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GC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF TRANS-BETA-FARNESENE (CDXP-21-00415)



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	06/17/2021	New report

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