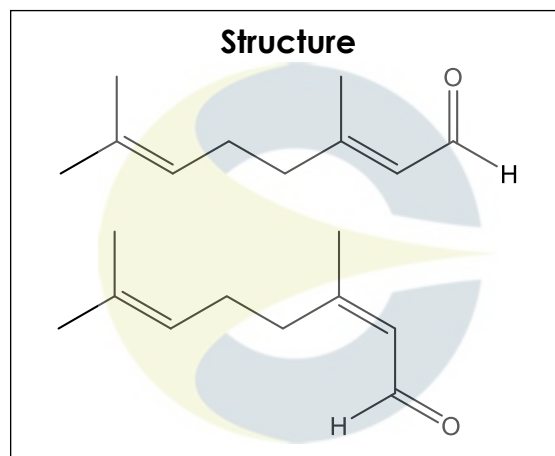


Certificate of Analysis
For Laboratory Use Only

PRODUCT NAME	Citral (cis- and trans- mix)
PART NUMBER	00003667
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00003667-VPC
REPORT NUMBER	CDXA-RSS-9967-00
SAMPLE NUMBER	CDXP-22-00941
DATE OF SAMPLE	10/13/2022
DATE OF REPORT	11/07/2022



CHEMICAL NAMES	3,7-Dimethyl-2,6-octadienal, 3,7-Dimethyl-2,6-octadien-1-al
CHEMICAL FORMULA	C ₁₀ H ₁₆ O
MOLECULAR WEIGHT (MW)	152.23
CHEMICAL FAMILY	Oils
CAS NUMBER	[5392-40-5]
EC#(EINECS)	226-394-6
RTECS	RG5075000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	≥ 75%	98.3%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	Yellow liquid

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	10/2027 under the above conditions.

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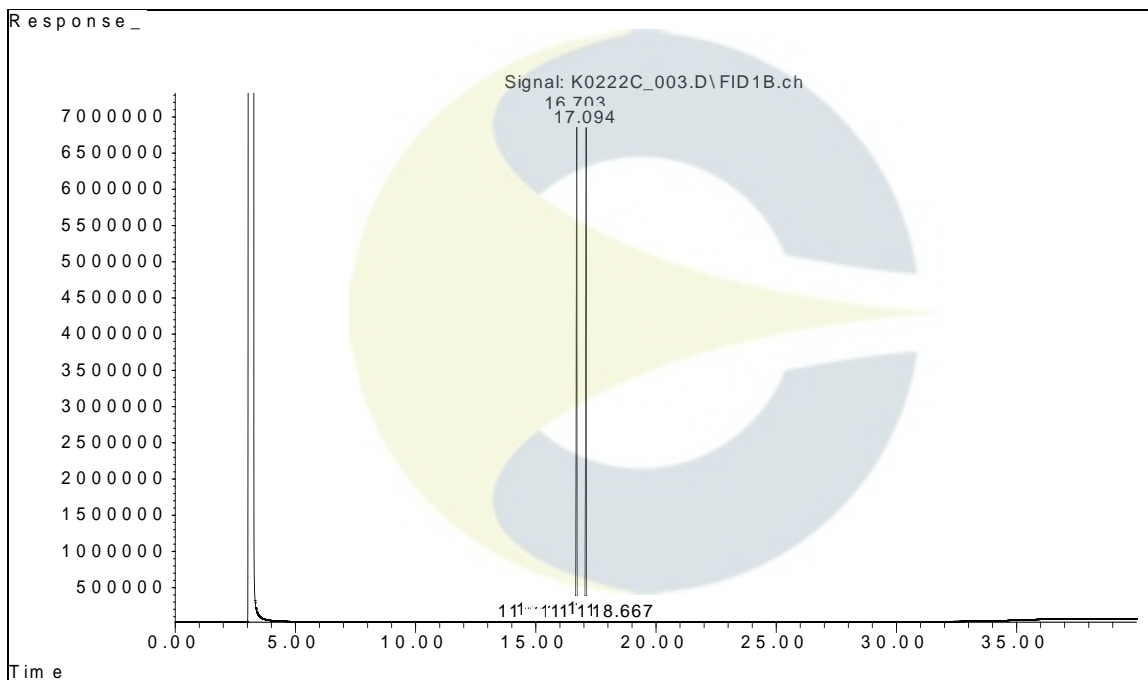
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ANALYTICAL CONDITIONS

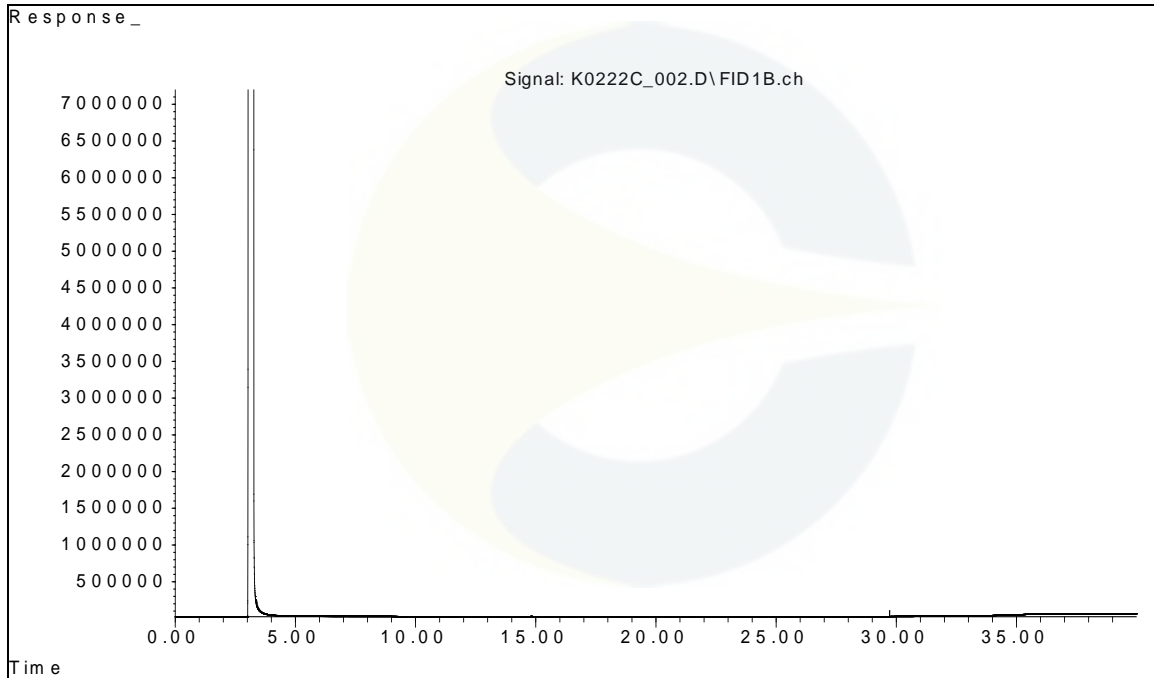
INSTRUMENT	AGILENT 7890B WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5977B MASS SELECTIVE DETECTOR (MSD)
COLUMN	Phenomenex Zebron ZB-5plus, 30 m x 0.32 mm x 0.25 μm
CARRIER GAS	Helium
COLUMN TEMP.	Isothermic 40 °C for 5.0 minutes, then increasing at 10.0 °C/minute to 340 °C. Hold at 340 °C for 5.0 minutes.
FLOW RATE	2.0 mL/minute
INJECTOR TEMP.	300 °C
INJECTOR SPLIT RATIO	20:1
INJECTION VOL.	1.0 μL
INJECTION CONC.	6.9 mg/mL in Methanol
DETECTION	FID (300 °C) & MSD (Transfer line 280 °C, Source 250 °C, Quad 150 °C)

GC CHROMATOGRAM OF CITRAL (CIS- AND TRANS- MIX) (CDXP-22-00941)

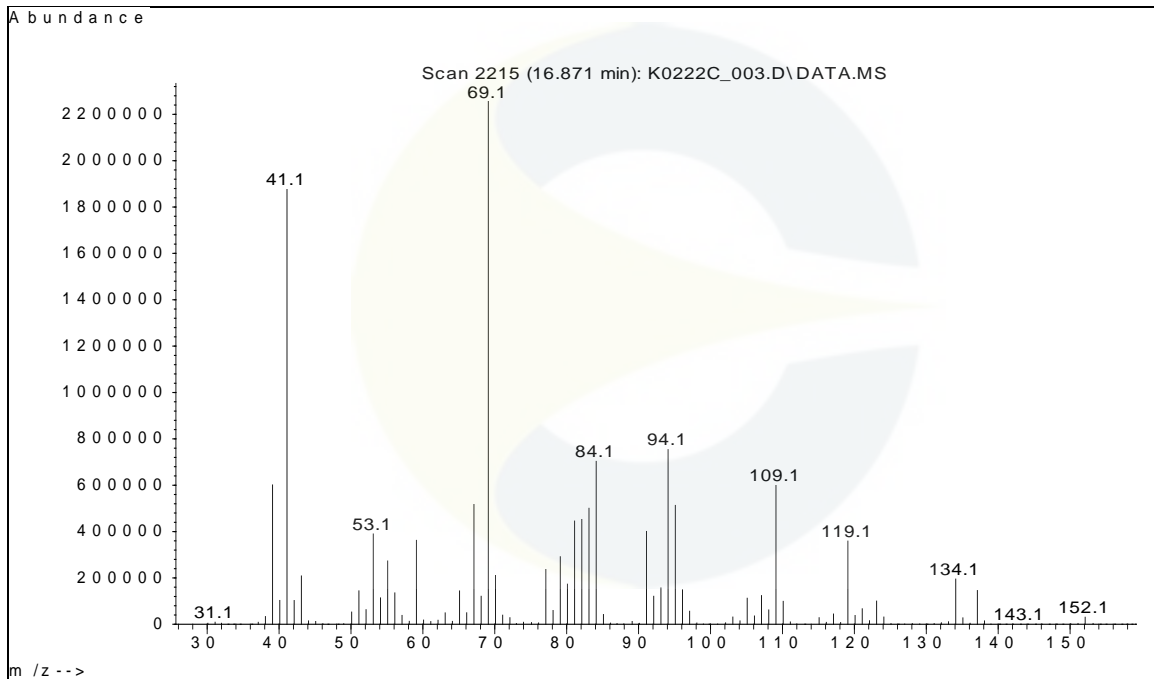


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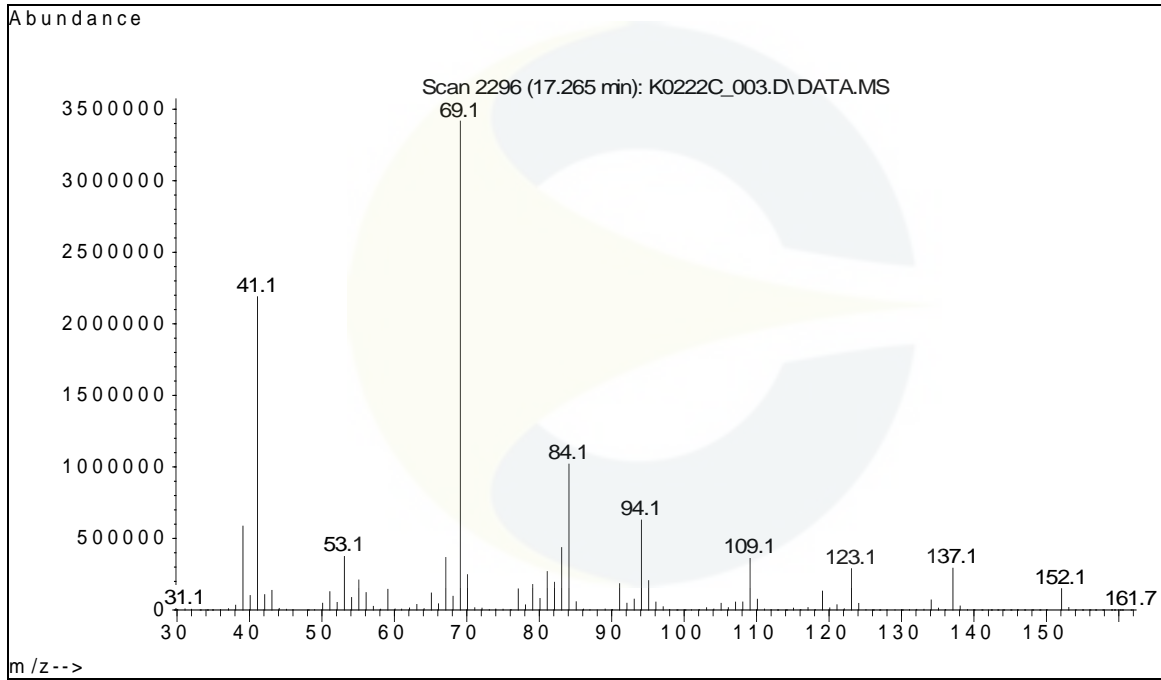
MASS SPECTRUM OF CITRAL (CIS- AND TRANS- MIX) PEAK AT 16.7 MIN (CDXP-22-00941)



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Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

MASS SPECTRUM OF CITRAL (CIS- AND TRANS- MIX) PEAK AT 17.1 MIN (CDXP-22-00941)

REVISION HISTORY

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

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