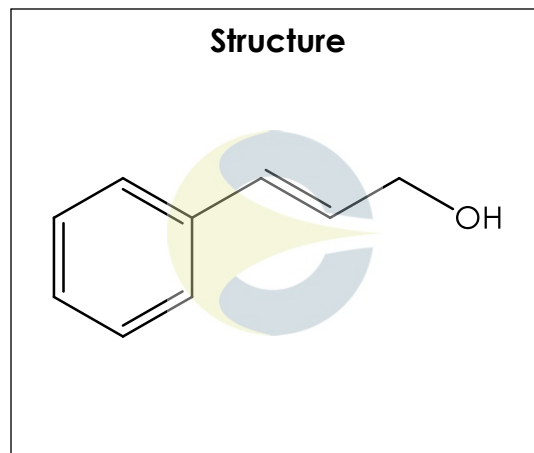


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PRODUCT NAME	Cinnamyl alcohol
PART NUMBER	00003659
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00003659-419
REPORT NUMBER	CDXA-RSS-8651-00
SAMPLE NUMBER	CDXP-19-00479
DATE OF SAMPLE	08/15/2019
DATE OF REPORT	09/25/2019



CHEMICAL NAMES	3-Phenyl-2-propen-1-ol; 1-Phenyl-3-hydroxy-1-propene
CHEMICAL FORMULA	C ₉ H ₁₀ O
MOLECULAR WEIGHT (MW)	134.18
CHEMICAL FAMILY	Phenylpropene derivatives
CAS NUMBER	[104-54-1]
EC#(EINECS)	203-212-3
RTECS	GE2200000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	NA	98.6%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	White powder

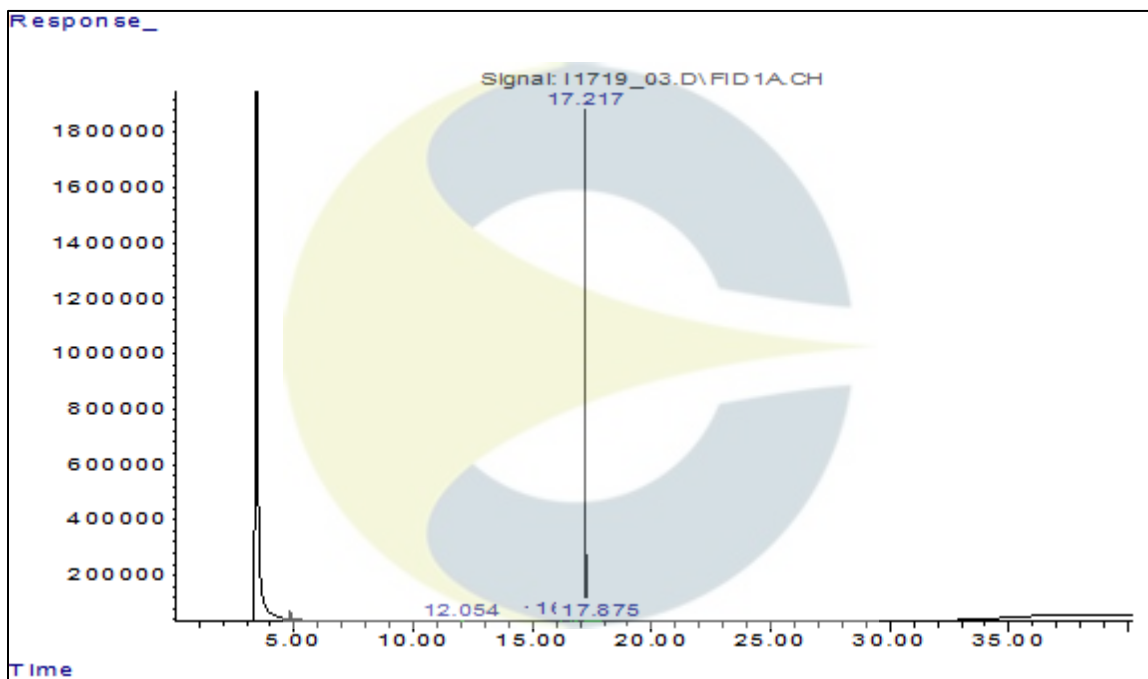
STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	08/2024 under the above conditions.

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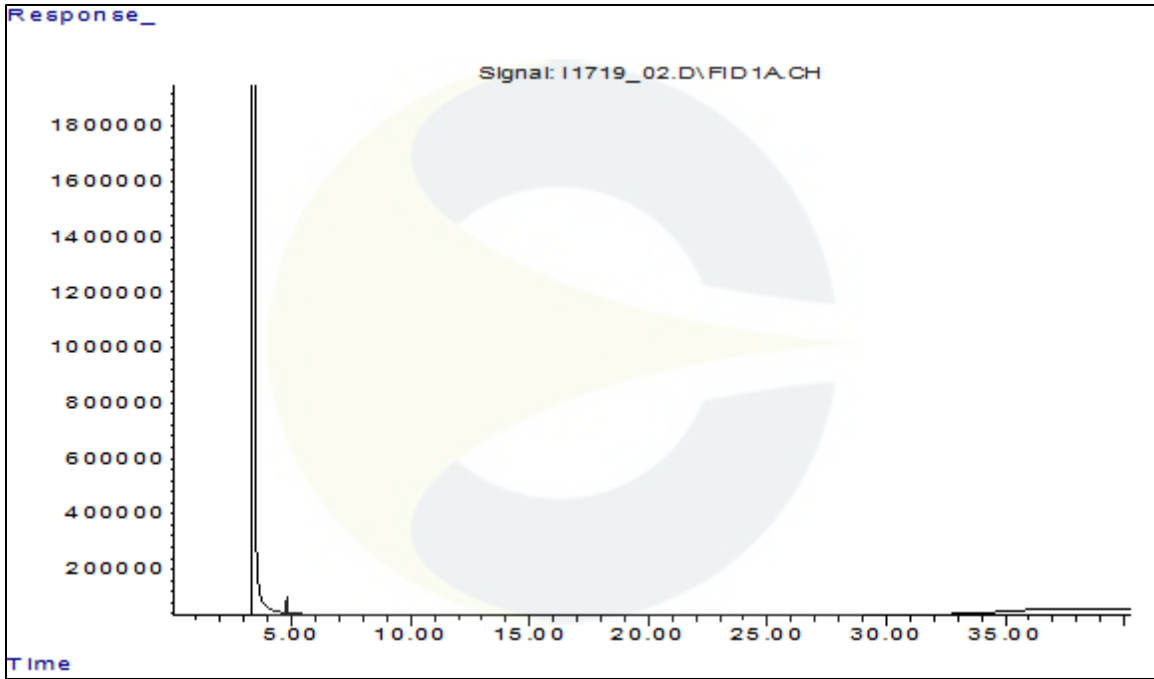
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 6890N WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5973N MASS SELECTIVE DETECTOR (MSD)
COLUMN	Phenomenex Zebron ZB-5HT Inferno, 30 m x 0.32 mm x 0.25 μ m; 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 μ m transfer line to MSD.
CARRIER GAS	Helium
COLUMN TEMP.	Isothermic 40 $^{\circ}$ C for 5.0 minutes, then increasing at 10.0 $^{\circ}$ C/minute to 340 $^{\circ}$ C. Hold at 340 $^{\circ}$ C for 5.0 minutes.
FLOW RATE	2.0 mL/minute
INJECTOR TEMP.	300 $^{\circ}$ C
INJECTOR SPLIT RATIO	20:1
INJECTION VOL.	1.0 μ L
INJECTION CONC.	1.5 mg/mL in Methanol
DETECTION	FID (350 $^{\circ}$ C) & MSD (Interface: 300 $^{\circ}$ C, Source: 250 $^{\circ}$ C, Quad: 200 $^{\circ}$ C)

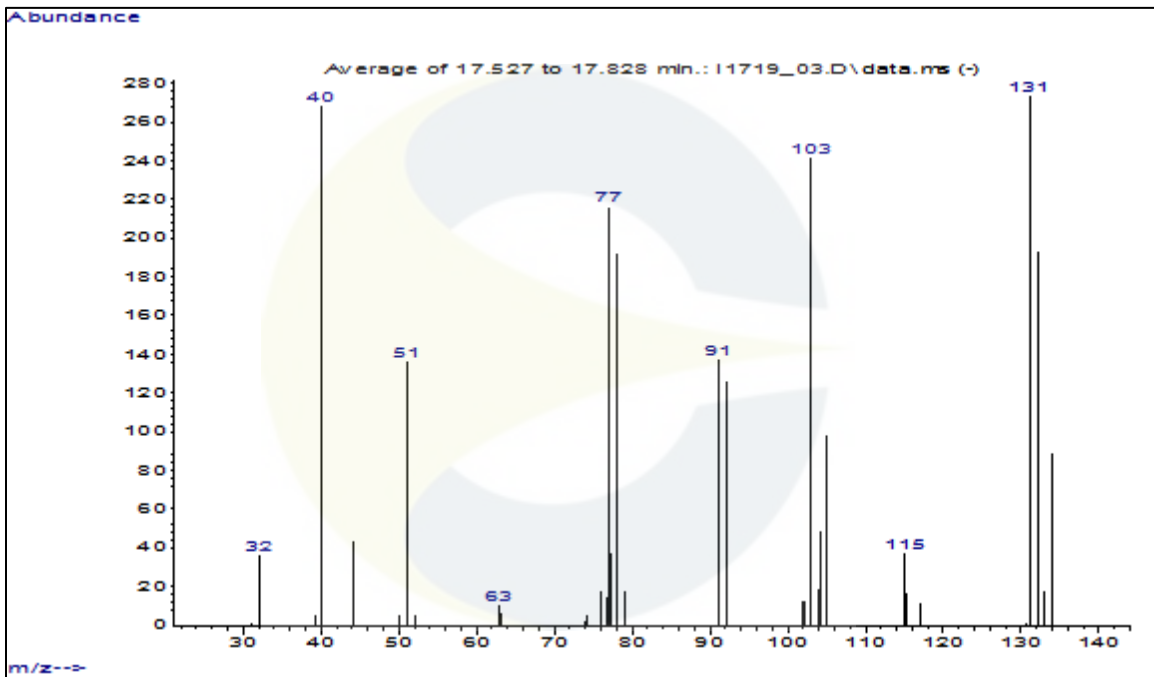
GC CHROMATOGRAM OF CINNAMYL ALCOHOL (CDXP-19-00479)


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GC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF CINNAMYL ALCOHOL (CDXP-19-00479)



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	09/25/2019	New report.

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