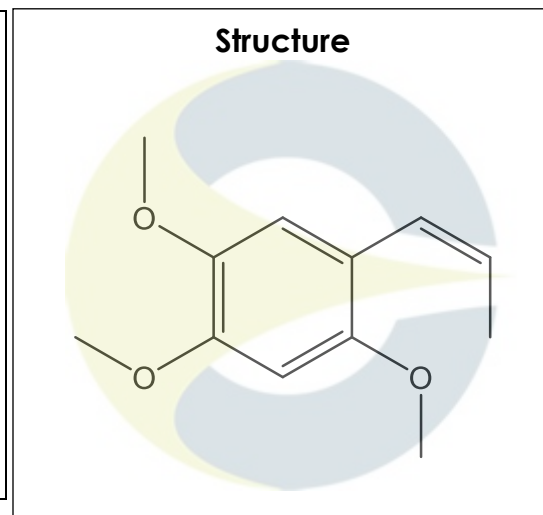


Certificate of Analysis

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PRODUCT NAME	beta-Asarone
PART NUMBER	00011017
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00011017-T19A
REPORT NUMBER	CDXA-RSS-8537-01
SAMPLE NUMBER	CDXP-19-00161
DATE OF SAMPLE	02/27/2019
DATE OF RE-EVALUATION	01/05/2023
DATE OF REPORT	01/26/2023



CHEMICAL NAMES	Benzene, 1,2,4-trimethoxy-5-(1Z)-1-propen-1-yl-; cis-Asarone; cis-Isoasarone
CHEMICAL FORMULA	C ₁₂ H ₁₆ O ₃
MOLECULAR WEIGHT (MW)	208.25
CHEMICAL FAMILY	Phenolics
CAS NUMBER	[5273-86-9]
EC#(EINECS)	226-096-6
RTECS	DC3000000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	≥ 75%	93.5%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	Clear liquid

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	01/2028 under the above conditions.

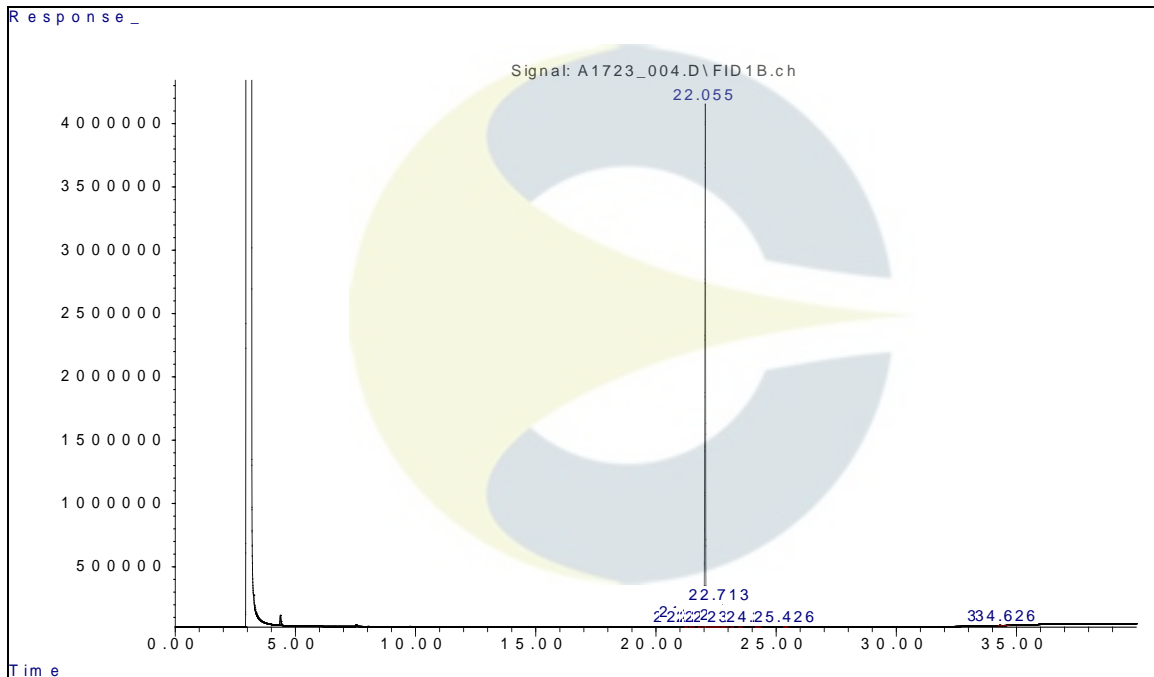
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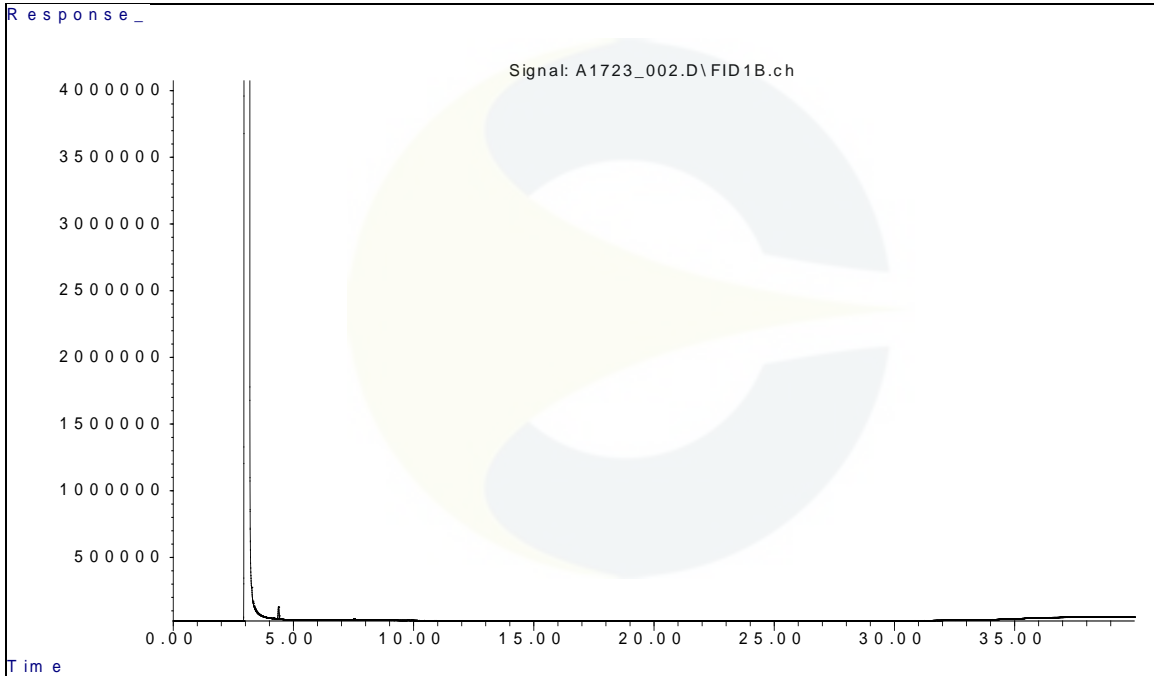
ANALYTICAL CONDITIONS

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

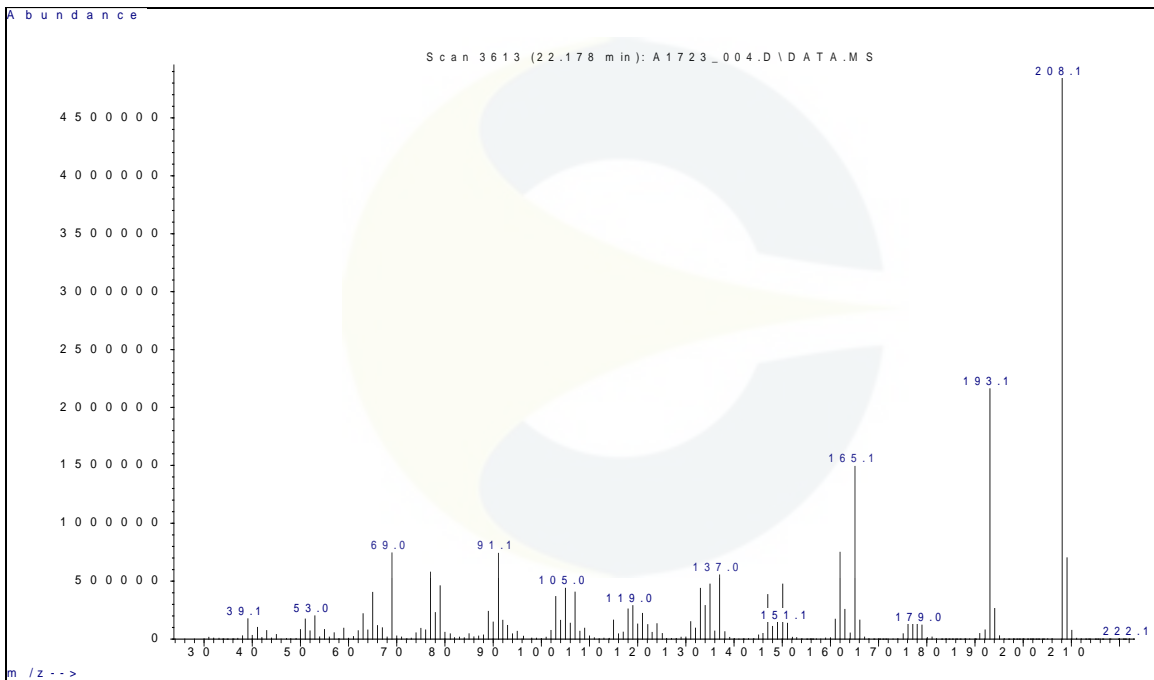
GC CHROMATOGRAM OF BETA-ASARONE (CDXP-19-00161)


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GC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF BETA-ASARONE (CDXP-19-00161)



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	03/18/2019	New report
01	01/26/2023	Passed re-evaluation by GC-MS. Updated expiration date, analytical results, analytical conditions, and chromatograms.

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