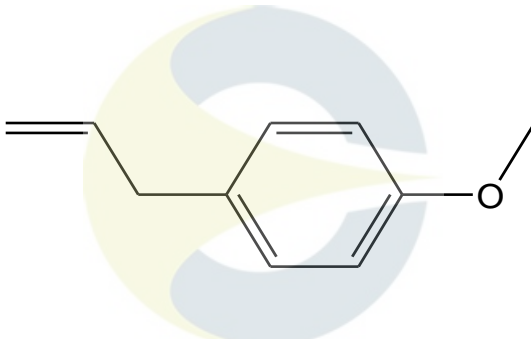


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PRODUCT NAME	Estragole	<div style="text-align: center;"> Structure  </div>
PART NUMBER	00005288	
STANDARD TYPE	Analytical Standard (AS)	
LOT NUMBER	00005288-1235	
REPORT NUMBER	CDXA-RSS-2943-02	
SAMPLE NUMBER	CDXA-S-07-1235	
DATE OF SAMPLE	11/21/2007	
DATE OF RE-EVALUATION	06/01/2012(1 st); 03/01/2017(2 nd); 05/10/2021 (3 rd)	
DATE OF REPORT	05/25/2021	

CHEMICAL NAMES	4-Allylanisole; 1-Allyl-4-methoxybenzene; 1-Methoxy-4-(2-propenyl)benzene; 3-(p-Methoxyphenyl)propene; Chavicol methyl ether; Esdragol; Isoanethole; Methyl chavicol; p-Allylanisole
CHEMICAL FORMULA	C ₁₀ H ₁₂ O
MOLECULAR WEIGHT (MW)	148.20
CHEMICAL FAMILY	Aromatic ethers
CAS NUMBER	[140-67-0]
EC#(EINECS)	205-427-8
RTECS	BZ8225000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	≥ 75%	96.1%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	Oil

STORAGE CONDITIONS

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

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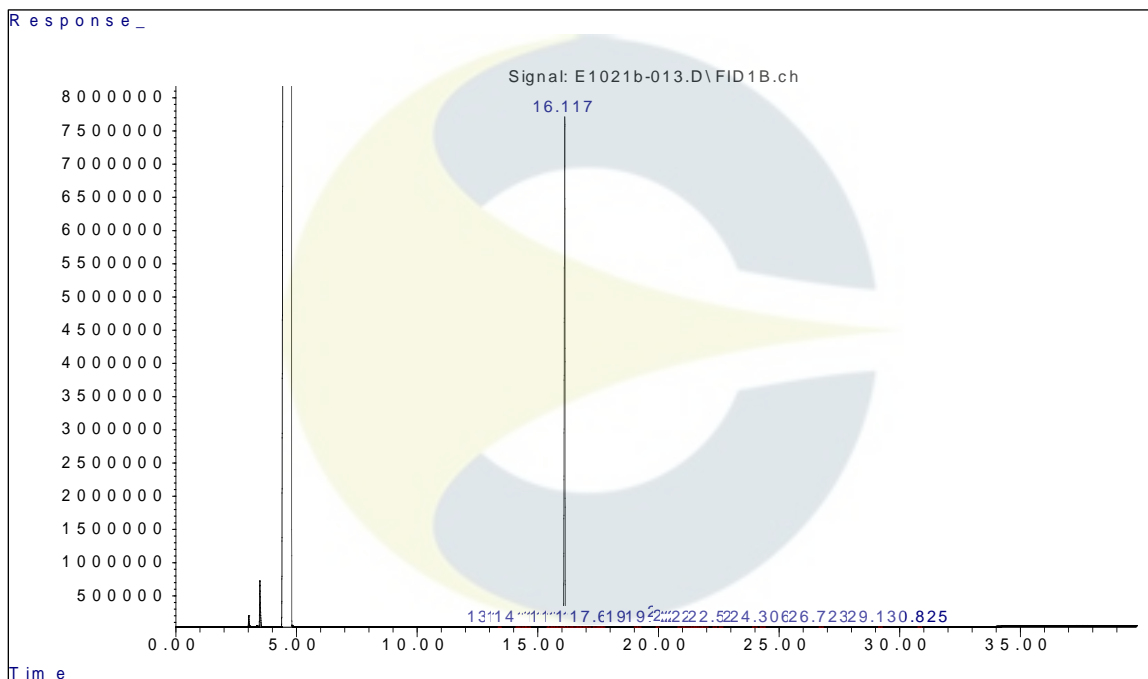
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ANALYTICAL CONDITIONS

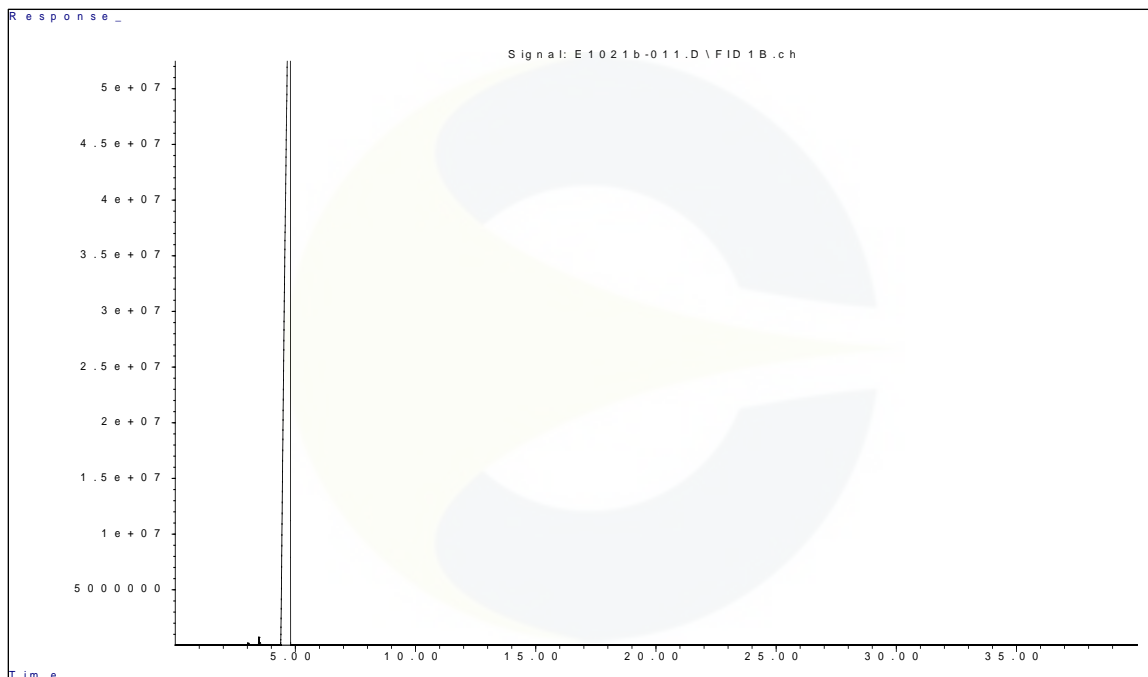
INSTRUMENT	AGILENT 7890B WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5977B MASS SELECTIVE DETECTOR (MSD)
COLUMN	Phenomenex Zebron ZB-5plus, 30 m x 0.32 mm x 0.25 µm
CARRIER GAS	Helium
COLUMN TEMP.	Isothermic 40 °C for 5.0 minutes, then increasing at 10.0 °C/minute to 340 °C. Hold at 340 °C for 5.0 minutes.
FLOW RATE	2.0 mL/minute
INJECTOR TEMP.	300 °C
INJECTOR SPLIT RATIO	20:1
INJECTION VOL.	1.0 µL
INJECTION CONC.	2.6 mg/mL in Chloroform
DETECTION	FID (300 °C) & MSD (Transfer line 280 °C, Source 230 °C, Quad 150 °C)

GC CHROMATOGRAM OF ESTRAGOLE (CDXA-S-07-1235)

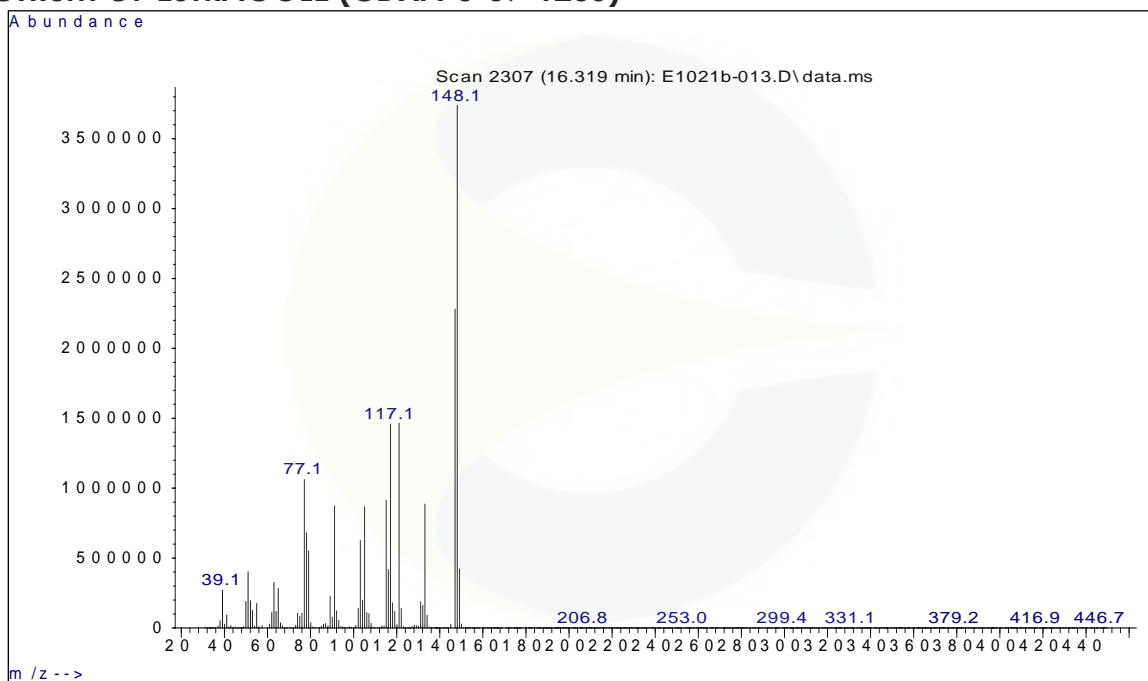


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GC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF ESTRAGOLE (CDXA-S-07-1235)



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	07/11/2012	New report and first re-evaluation.
01	03/20/2017	Passed second re-evaluation by GC FID/MS. Updated expiration date, standard type, analytical method, analytical conditions, chromatograms, and analytical results.
02	05/25/2021	Passed third re-evaluation by GC FID/MS. Updated expiration date, analytical conditions, analytical method, chromatograms, and analytical results. Removed melting point.

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