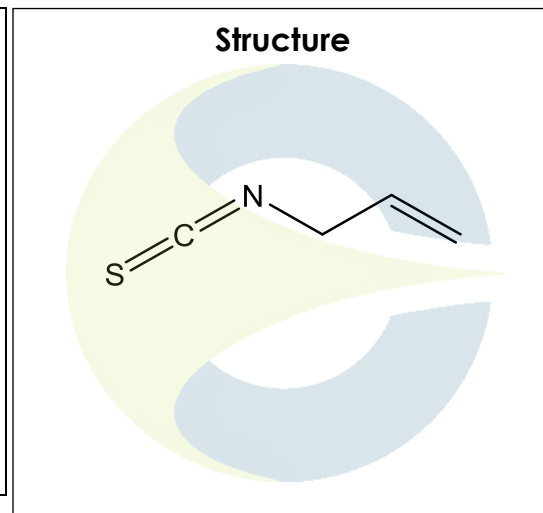


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PRODUCT NAME	Allyl Isothiocyanate
PART NUMBER	00001608
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00001608-835
REPORT NUMBER	CDXA-RSS-9013-01
SAMPLE NUMBER	CDXP-20-00363
DATE OF SAMPLE	05/26/2020
DATE OF RE-EVALUATION	06/06/2022
DATE OF REPORT	06/28/2022



CHEMICAL NAMES	3-Isothiocyanato-1-propene; 2-Propenyl isothiocyanate; Allylsevenolum; Allyspol
CHEMICAL FORMULA	C ₄ H ₅ NS
MOLECULAR WEIGHT (MW)	99.15
CHEMICAL FAMILY	Isothiocyanates
CAS NUMBER	[57-06-7]
EC#(EINECS)	200-309-2
RTECS	NX8225000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	≥ 75%	86.1%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	Oil

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	06/2027 under the above conditions.



Digitally signed by
Tiffany Rodgers
Date: 2022.06.28
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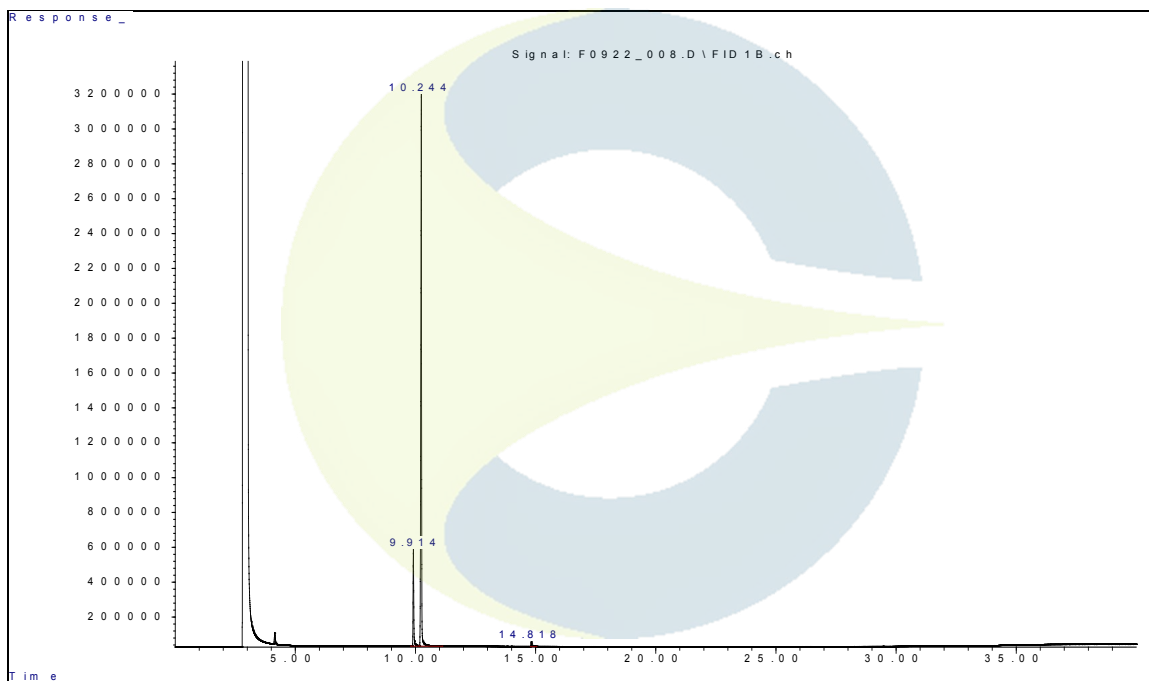
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ANALYTICAL CONDITIONS

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

GC CHROMATOGRAM OF ALLYL ISOTHIOCYANATE (CDXP-20-00363)



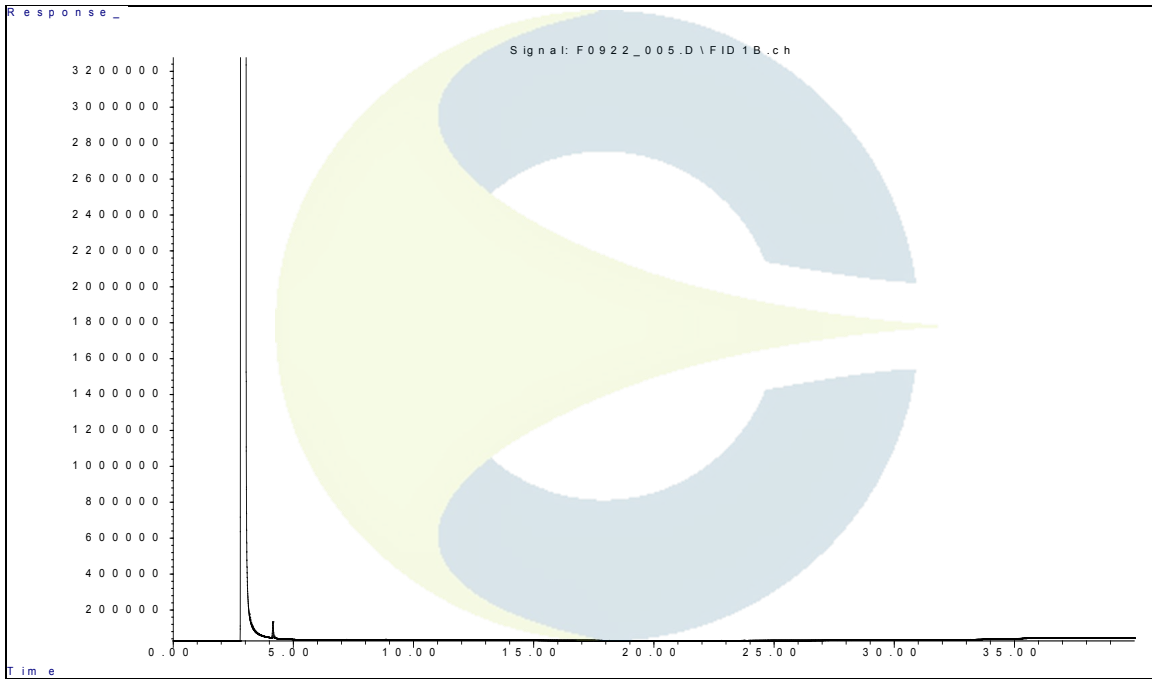
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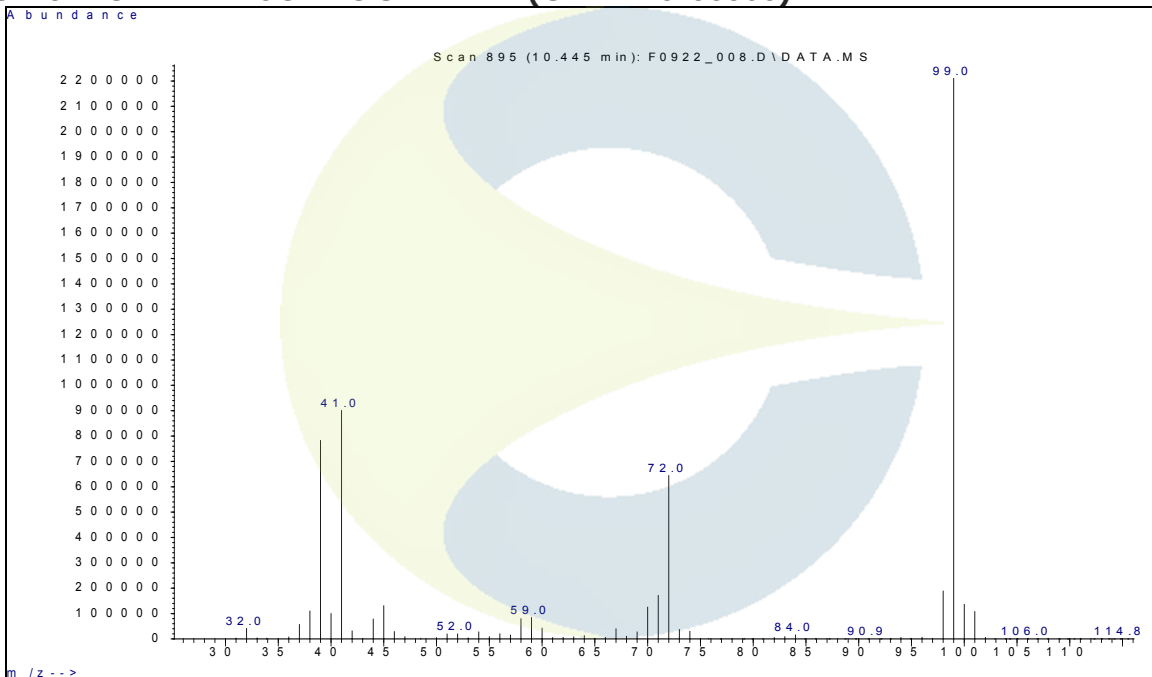
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MASS SPECTRUM OF ALLYL ISOTHIOCYANATE (CDXP-20-00363)



REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	07/01/2020	New report
01	06/28/2022	Passed re-evaluation. Updated analytical results, conditions, and chromatograms. Extended expiration date.

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