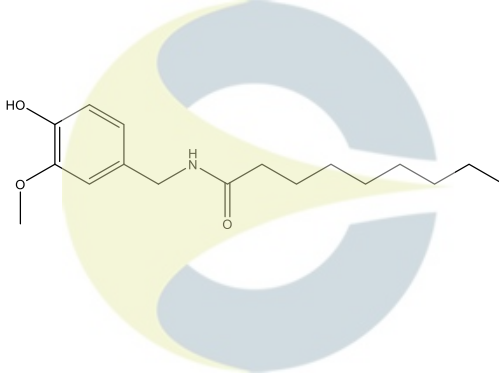


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PRODUCT NAME	Pseudocapsaicin	<div style="text-align: center;"> Structure  </div>
PART NUMBER	00003137	
STANDARD TYPE	Primary (P)	
LOT NUMBER	00003137-WID	
REPORT NUMBER	CDXA-RSS-7964-02	
SAMPLE NUMBER	CDXP-18-00363	
DATE OF SAMPLE	04/18/2018	
DATE OF RE-EVALUATION	03/11/2022	
DATE OF REPORT	04/04/2022	

CHEMICAL NAMES	N-[(4-Hydroxy-3-methoxyphenyl)methyl]nonanamide; Nonivamide; Nonanoic acid vanillylamide; Pelargonic acid vanillylamide; N-Vanillylnonamide
CHEMICAL FORMULA	C ₁₇ H ₂₇ NO ₃
MOLECULAR WEIGHT (MW)	293.40
CHEMICAL FAMILY	Alkaloids
CAS NUMBER	[2444-46-4]
EC#(EINECS)	219-484-1
RTECS	RA5955000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	99.8%
HPLC	0.700.10.2.METH22	≥ 90%	99.9%
NMR	99.1-04-2.0-000122	Conforms to structure	Conforms to structure
Mass Spectrum	99.1-04-3.0-000126	Conforms	Conforms
Residual Solvent	99.1-CDXA-3.0-000621	NA	EtOAc – 0.1%
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

ADJUSTED PURITY: 99.8% IS BASED ON (100 - 0.1 SOLVENTS - 0.0 WATER) X 99.9% HPLC

STORAGE CONDITIONS

STORAGE	Room Temperature in a dry place.
EXPIRATION DATE	03/2027 under the above conditions.

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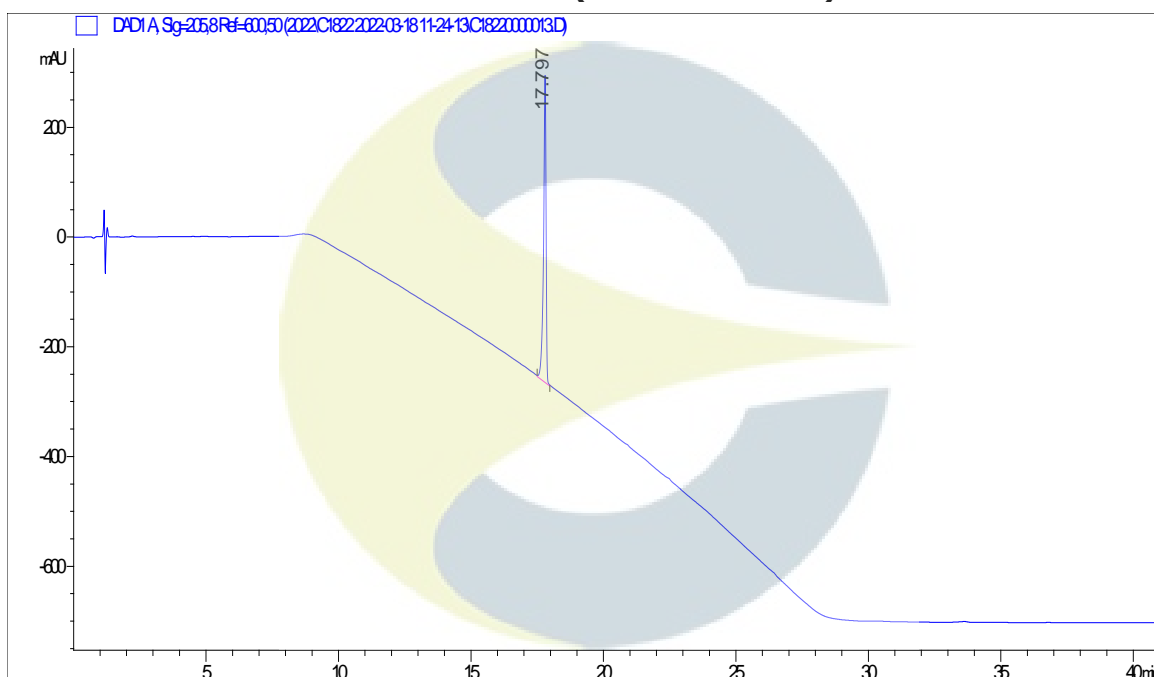
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.2 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	205 ± 4 nm

HPLC CHROMATOGRAM OF PSEUDOCAPSAICIN (CDXP-18-00363)



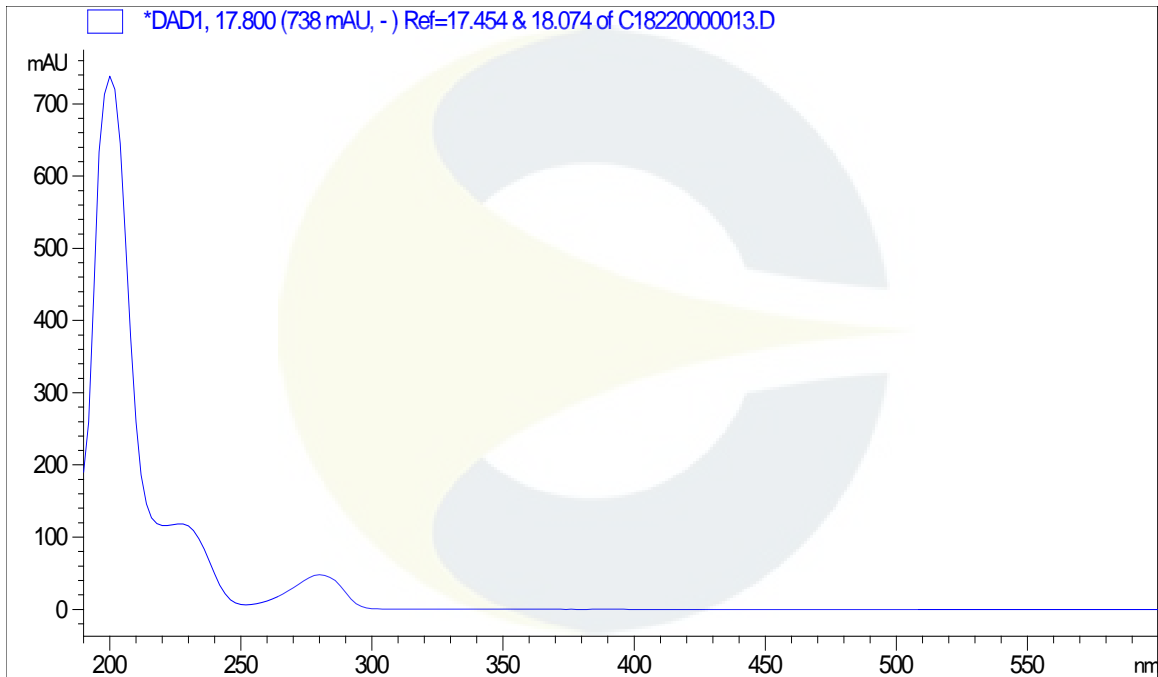
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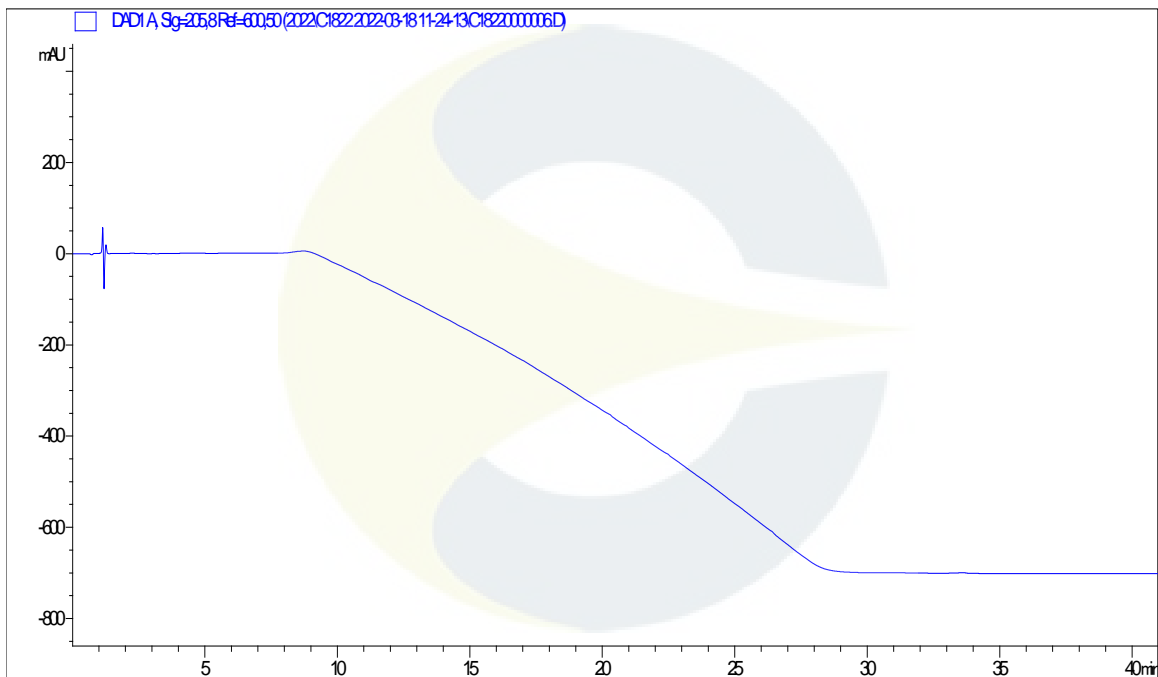
India Contact:
 Life Technologies (India) Pvt. Ltd.
 306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

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UV SPECTRUM AT RT = 17.8 MINUTES



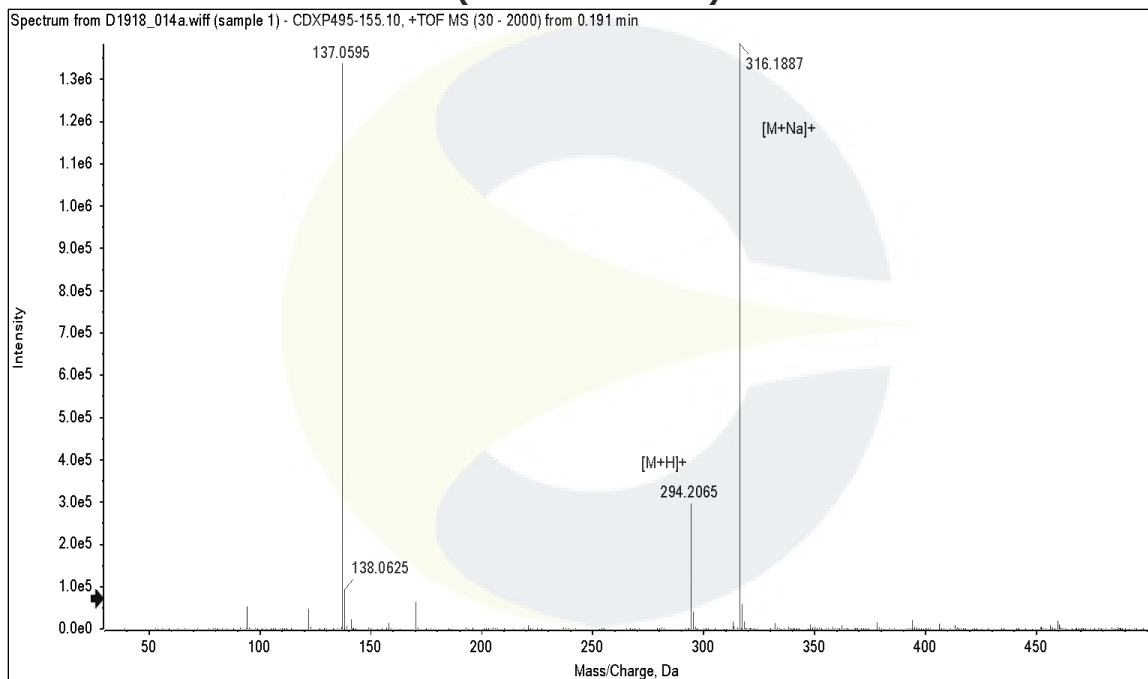
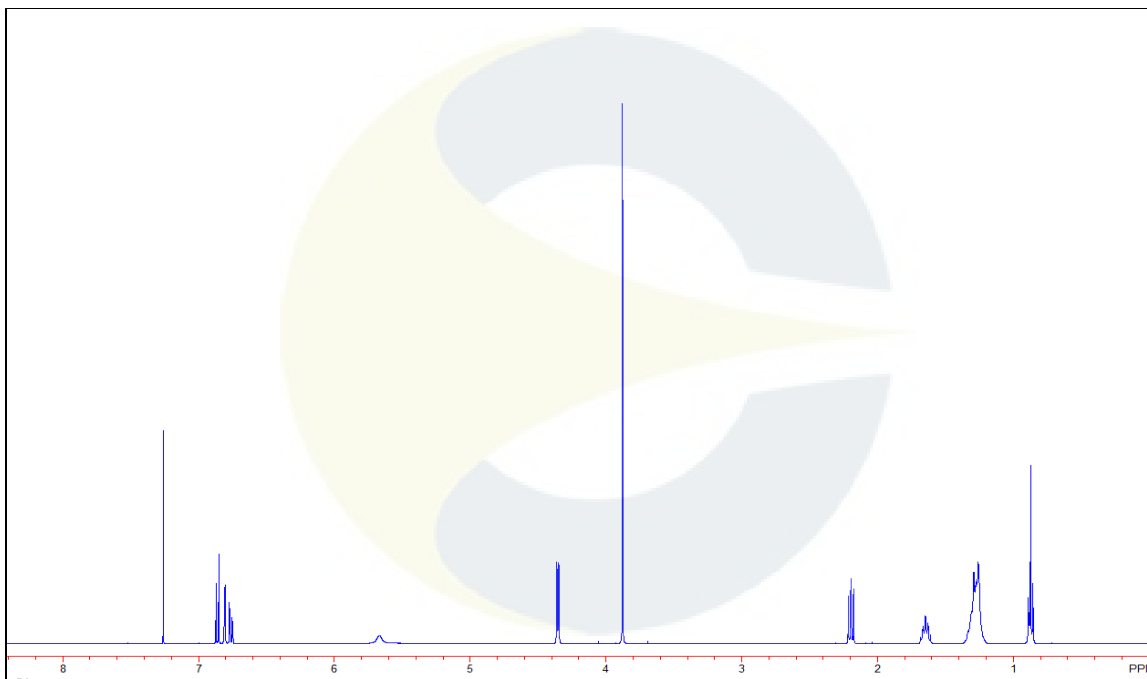
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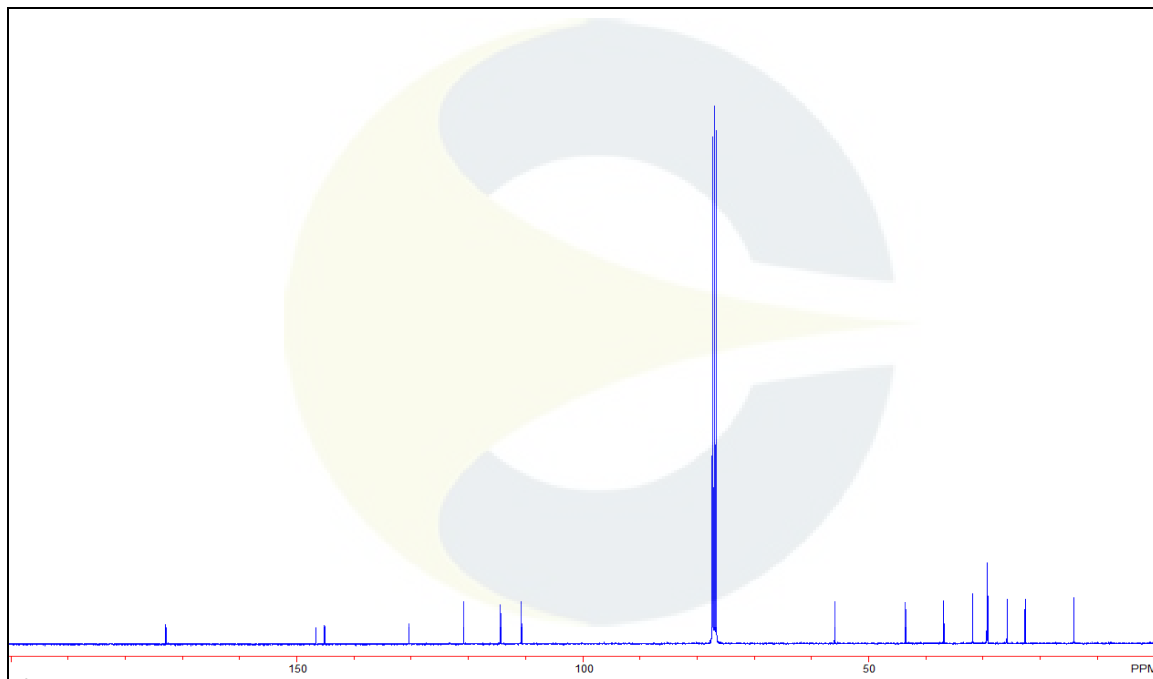
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MASS SPECTRUM OF PSEUDOCAPSAICIN (CDXP-18-00363)

¹H-NMR SPECTRUM OF PSEUDOCAPSAICIN (CDXP-18-00363) IN CDCl₃


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¹³C-NMR SPECTRUM OF PSEUDOCAPSAICIN (CDXP-18-00363) IN CDCl₃



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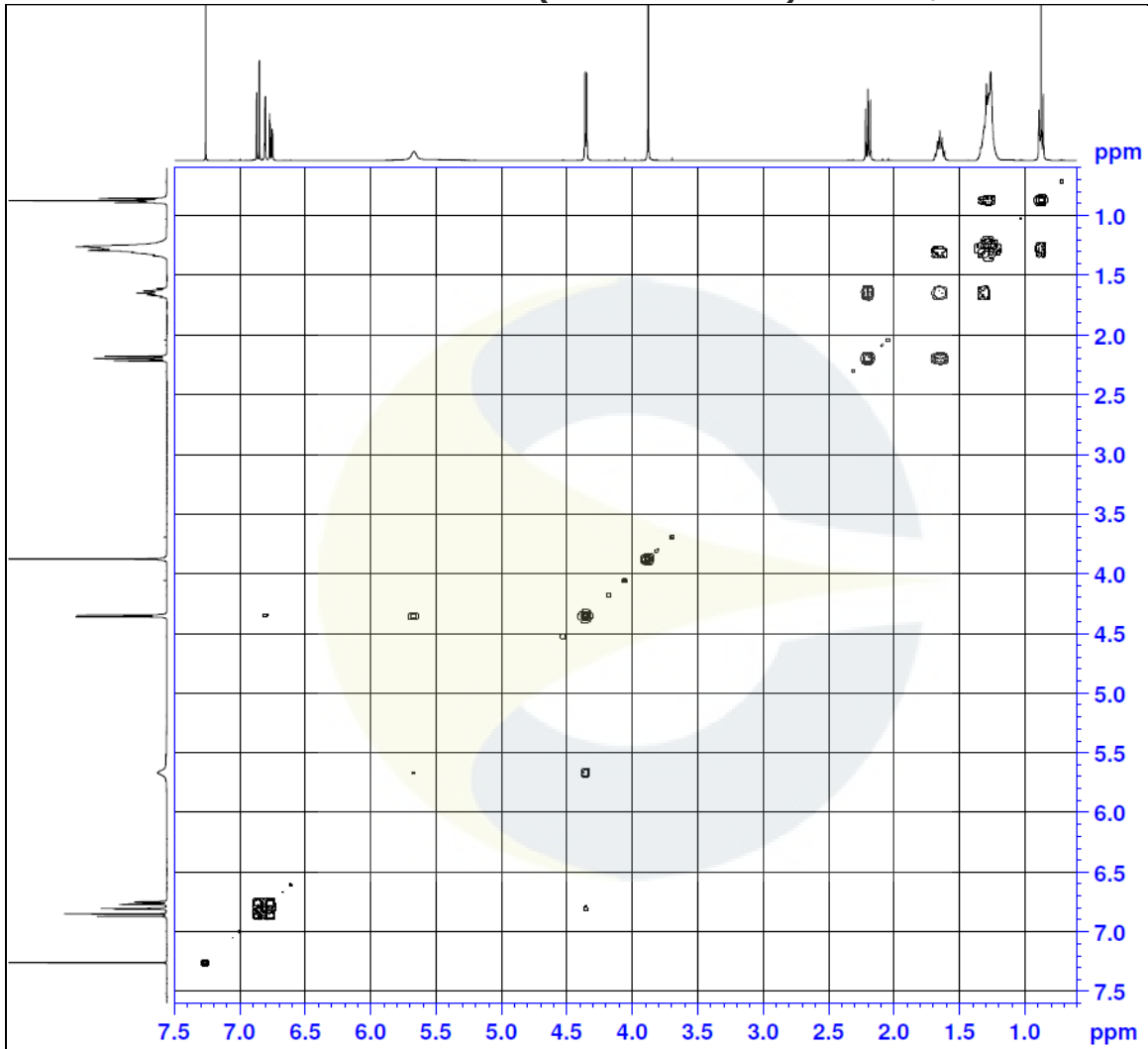
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COSY-NMR SPECTRUM OF PSEUDOCAPSAICIN (CDXP-18-00363) IN CDCl₃



REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	05/04/2018	New report
01	08/31/2018	Corrected water content result.
02	04/04/2022	Passed re-evaluation by HPLC and KF. Updated chromatograms, analytical conditions, results, and expiration date.

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