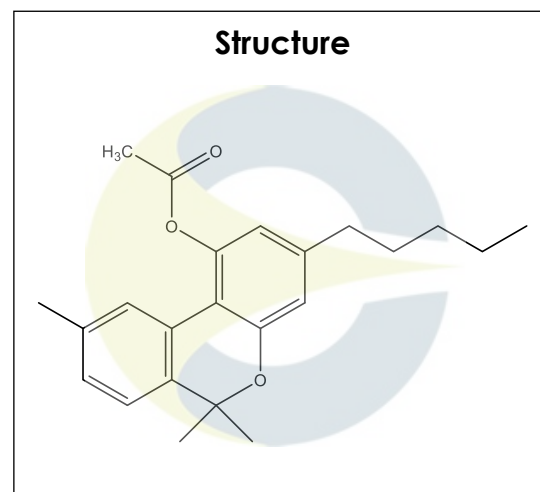


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PRODUCT NAME	Cannabinol acetate
BOTANICAL SOURCE	Cannabis sativa L.; Hemp
PART NUMBER	00003138
STANDARD TYPE	Primary (P)
LOT NUMBER	00003138-621
REPORT NUMBER	CDXA-RSS-9623-00
SAMPLE NUMBER	CDXP-21-00869
DATE OF SAMPLE	12/07/2021
DATE OF REPORT	01/20/2022



CHEMICAL NAMES	6,6,9-trimethyl-3-pentyl-6H-Dibenzo[b,d]pyran-1-ol acetate
CHEMICAL FORMULA	C ₂₃ H ₂₈ O ₃
MOLECULAR WEIGHT (MW)	352.47
CHEMICAL FAMILY	Cannabinoids
CAS NUMBER	[51895-51-3]
EC#(EINECS)	N/A
RTECS	N/A
INTENDED USE	For laboratory use only. Not for human consumption.

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	98.9%
HPLC	0.700.10.2.METH159	≥ 90%	98.9%
HPLC - known impurities	0.700.10.2.METH159	<0.3% THC; Report others	THC: ND; CBD ~0.7%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	ND
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.
 ADJUSTED PURITY: 98.9% IS BASED ON (100 - 0.0 SOLVENTS - 0.0 WATER) X 98.9% HPLC

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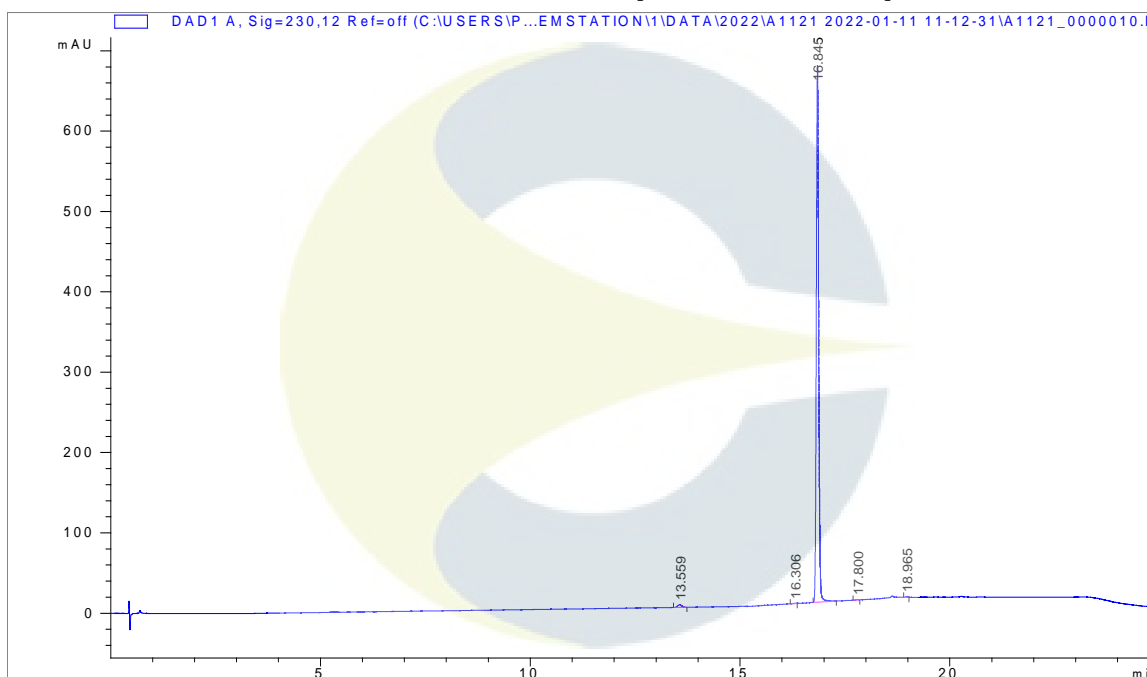
STORAGE CONDITIONS

STORAGE Room temperature in a dry place.
EXPIRATION DATE 12/2026 under the above conditions.

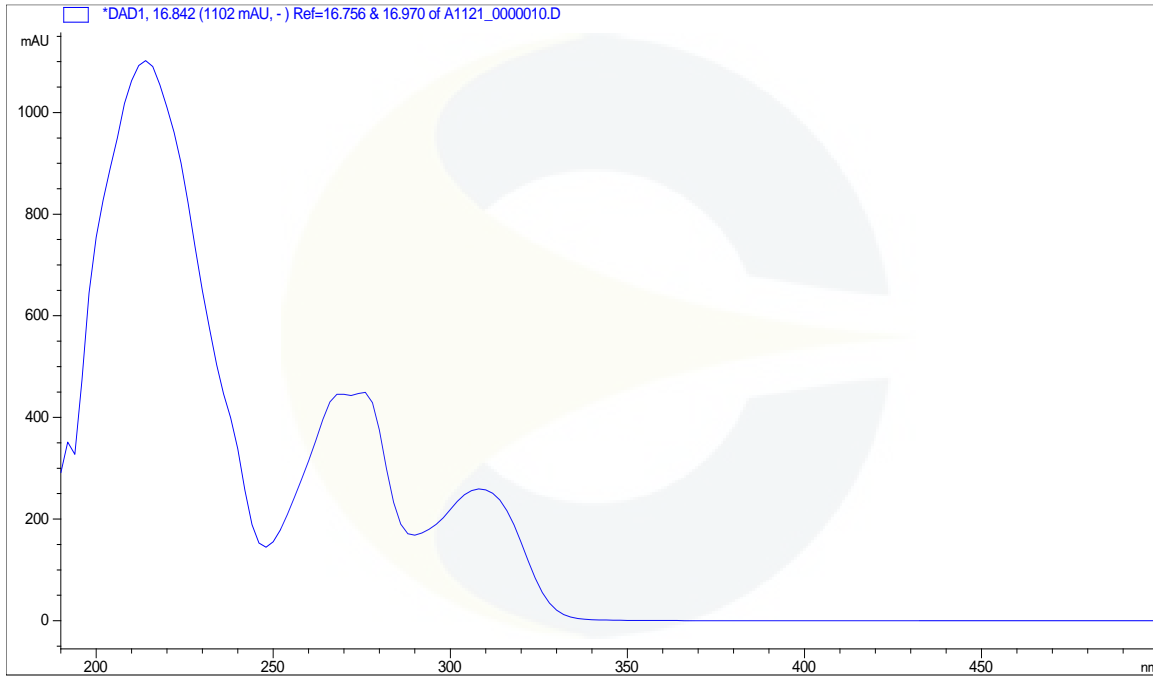
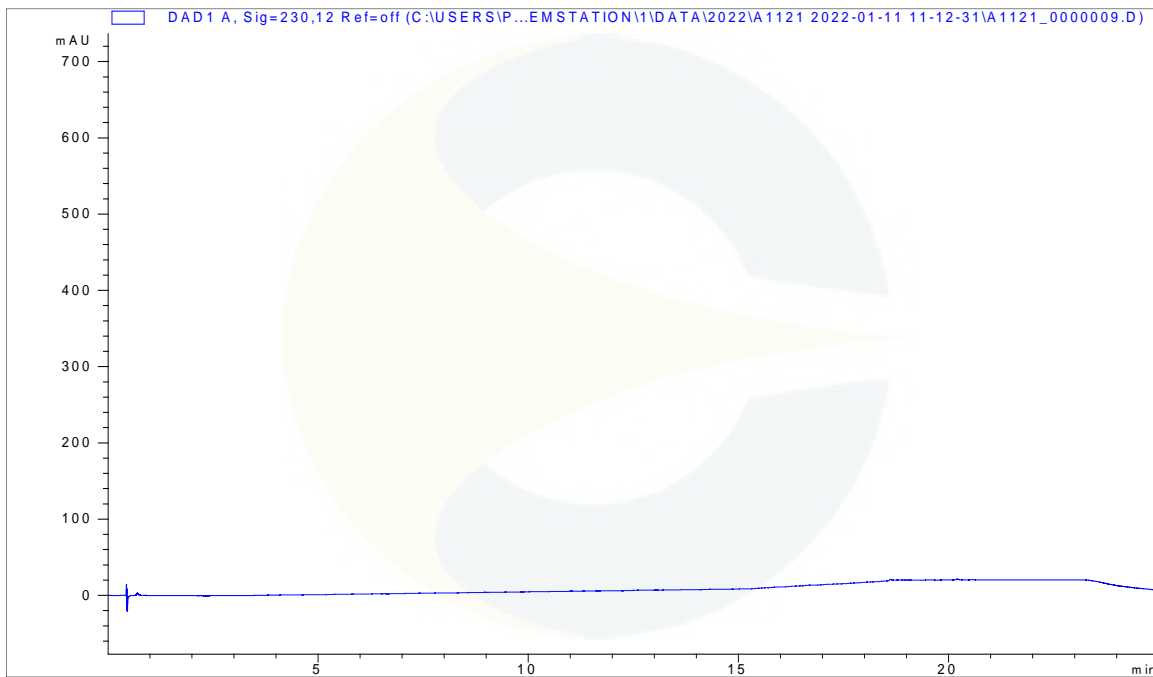
ANALYTICAL CONDITIONS

INSTRUMENT AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 QTOF
COLUMN Poroshell 120 EC-C18, 100 x 3.0 mm, 2.7 µm particle size
MOBILE PHASE A - 0.1% Formic acid in Ultrapure water, B – 0.05% Formic acid in methanol; Isocratic 60% B for 2 minutes, then increasing to 77% B over 12 minutes, then increasing to 95% B over 3.5 minutes, hold at 95% B for 4.5 minutes, then return to 60% B over 3 minutes and equilibrate.
COLUMN TEMP. 50 °C
FLOW RATE 1.0 mL/minute
INJECTION VOL. 0.5 µL
INJECTION CONC. 1.2 mg/mL in Methanol
DETECTION 230 ± 6 nm

HPLC CHROMATOGRAM OF CANNABINOL ACETATE (CDXP-21-00869)



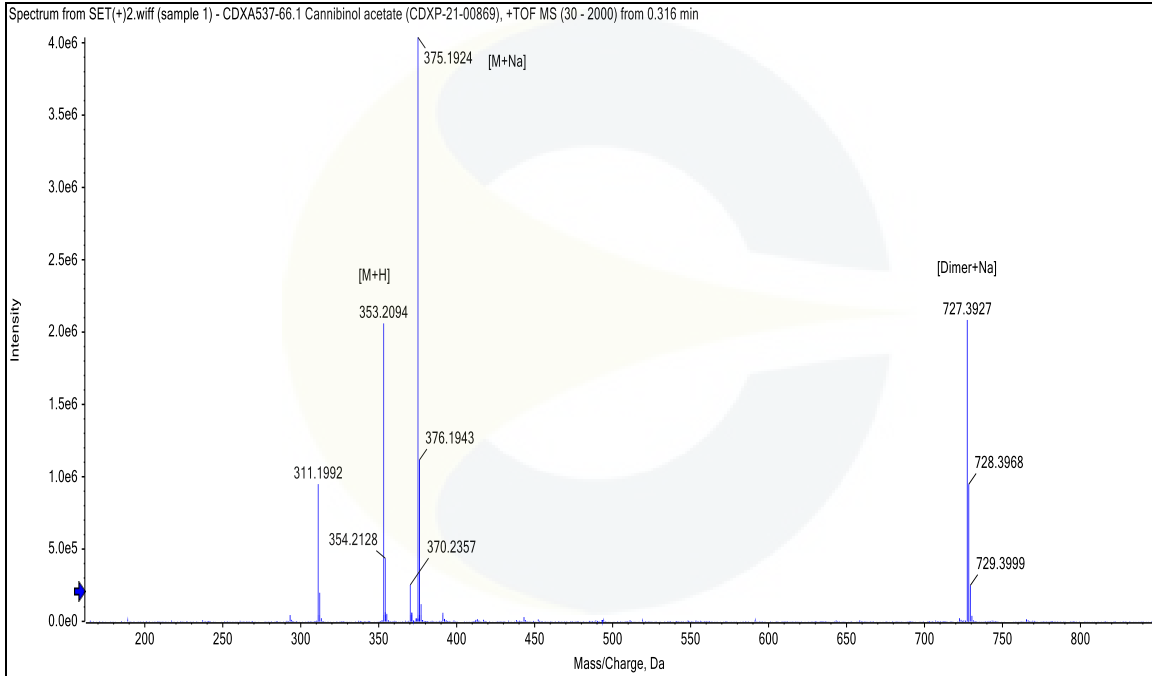
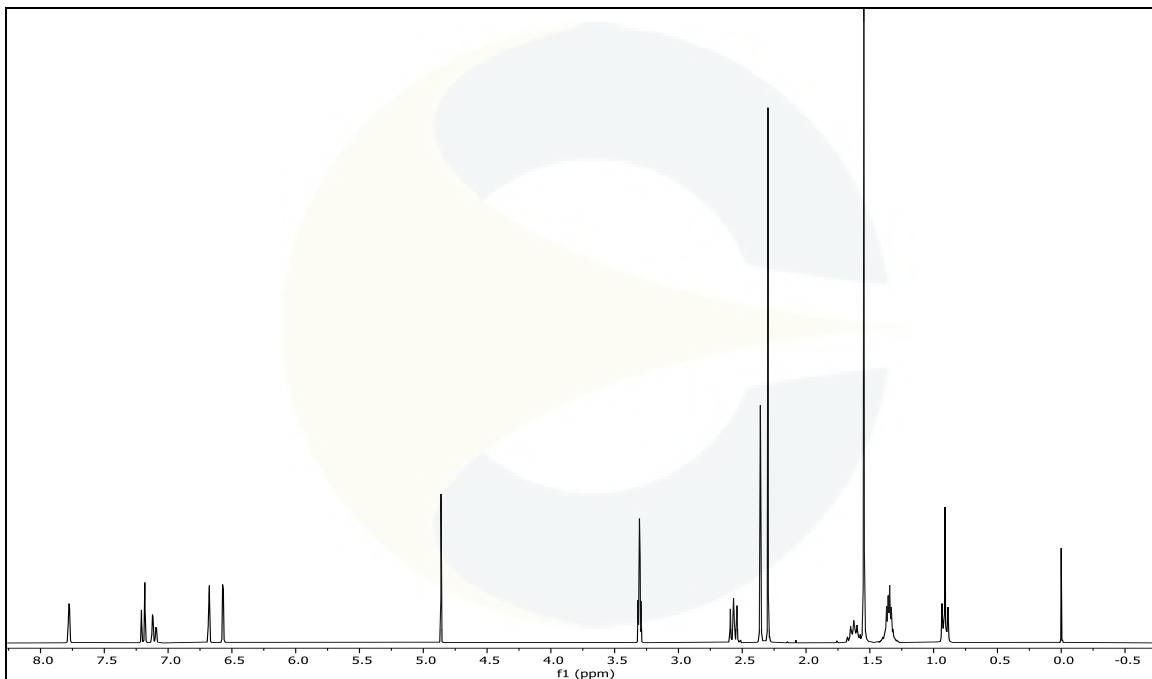
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UV SPECTRUM AT 16.8 MINUTES

HPLC CHROMATOGRAM OF DILUENT BLANK


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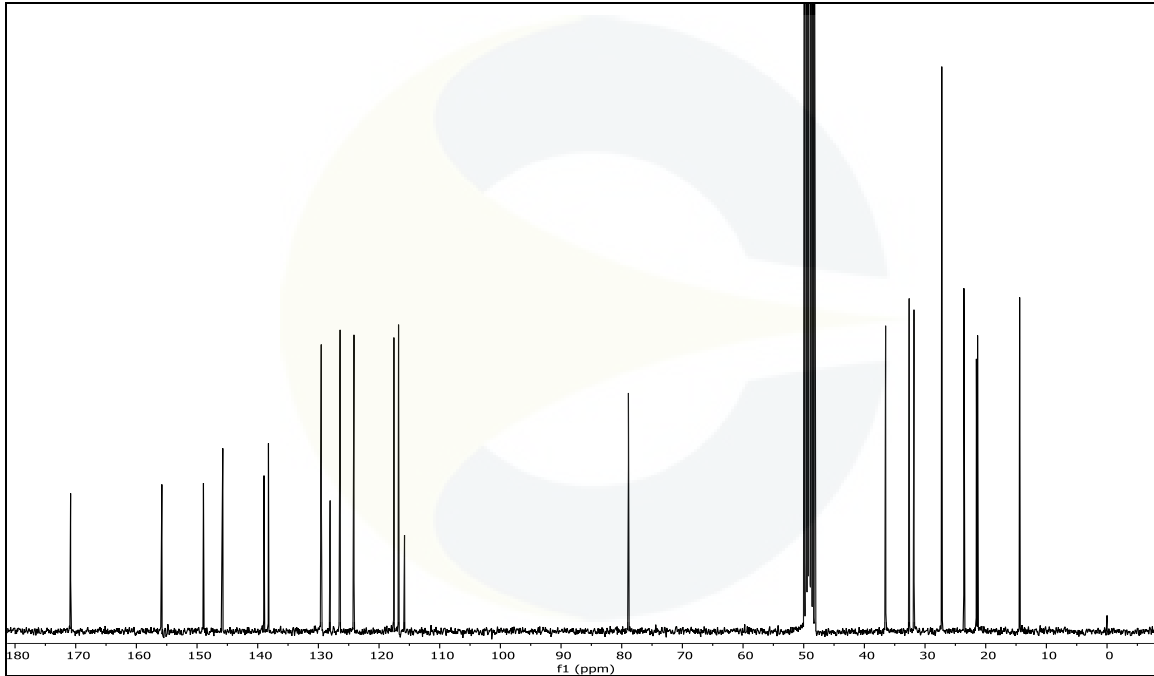
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 Life Technologies (India) Pvt. Ltd.
 Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

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MASS SPECTRUM OF CANNABINOL ACETATE (CDXP-21-00869)

¹H-NMR SPECTRUM OF CANNABINOL ACETATE (CDXP-21-00869) IN CD₃OD + TMS


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¹³C-NMR SPECTRUM CANNABINOL ACETATE (CDXP-21-00869) IN CD₃OD + TMS



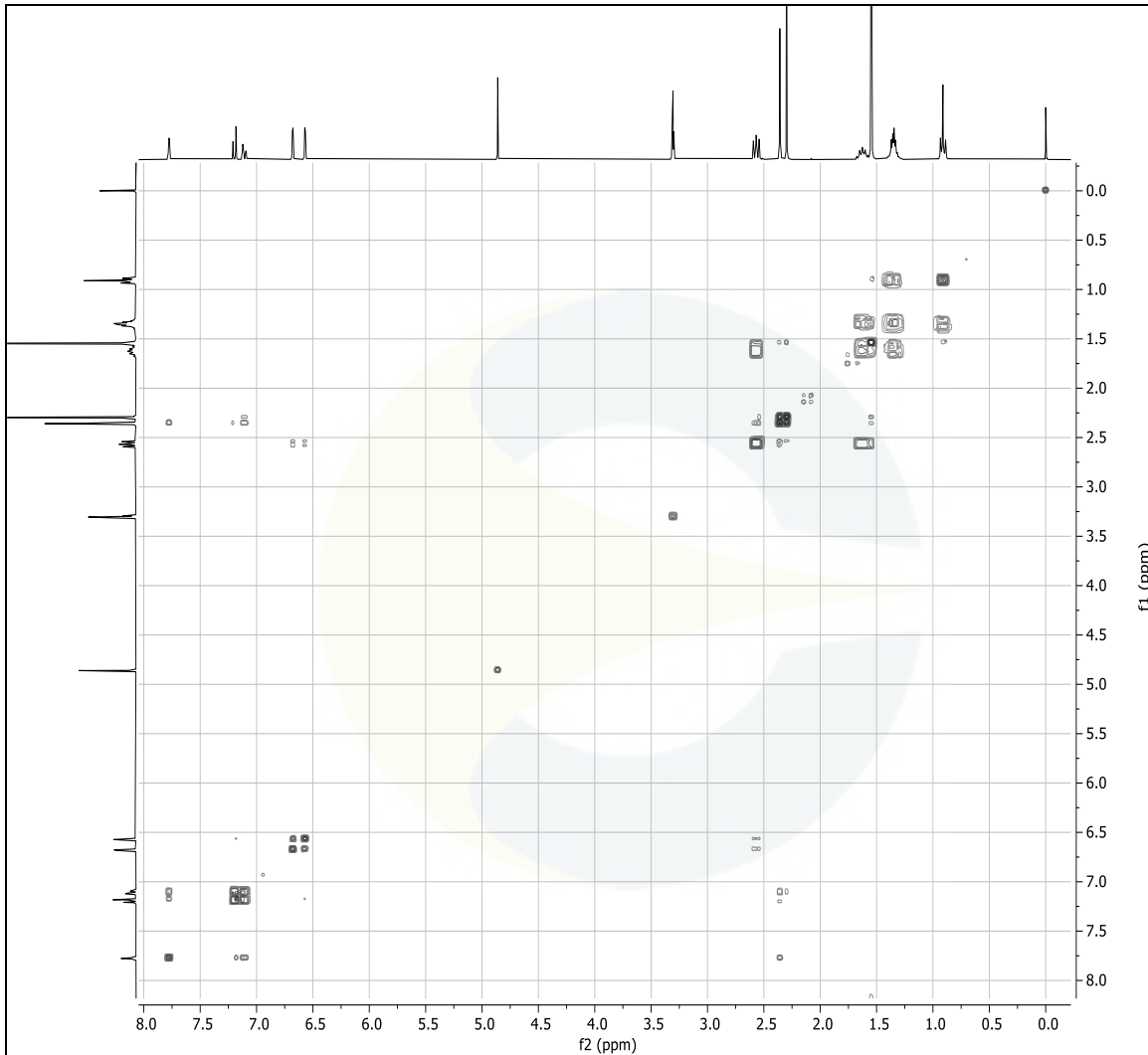
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COSY-NMR SPECTRUM OF CANNABINOL ACETATE (CDXP-21-00869) IN CD₃OD + TMS

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	01/20/2022	New report

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