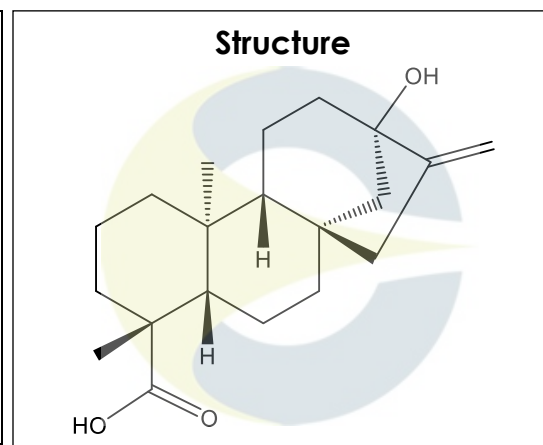


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PRODUCT NAME	Steviol
PART NUMBER	00019352
STANDARD TYPE	Primary (P)
LOT NUMBER	00019352-302
REPORT NUMBER	CDXA-RSS-9505-00
SAMPLE NUMBER	CDXP-21-00547
DATE OF SAMPLE	08/16/2021
DATE OF REPORT	10/18/2021



CHEMICAL NAMES	Hydroxydehydrostevic acid; 13-Hydroxykaurenoic acid
CHEMICAL FORMULA	C ₂₀ H ₃₀ O ₃
MOLECULAR WEIGHT (MW)	318.45
CHEMICAL FAMILY	Diterpenes
CAS NUMBER	[471-80-7]
EC#(EINECS)	NA
RTECS	NZ8176000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	93.6%
HPLC	0.700.10.2.METH86	≥ 90%	99.9%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	MeOH – 63000 ppm
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 93.6% IS BASED ON (100 - 6.3 SOLVENTS - 0.0 WATER) X 99.9% HPLC

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	08/2026 under the above conditions.

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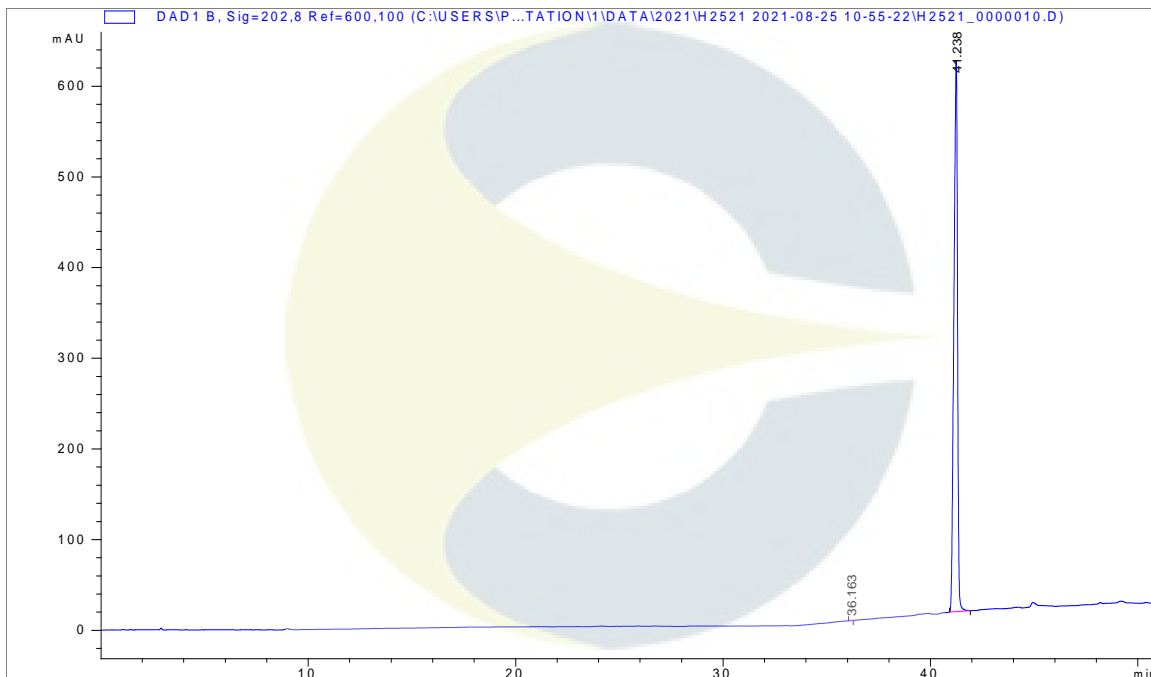
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Synergi Hydro-RP: 250 x 4.6 mm, 4 µm particle size
MOBILE PHASE	A – High-purity water; B – Acetonitrile; Isocratic 20% B for 5 minutes, then increasing to 30% B over 10 minutes, increasing to 35% B over 15 minutes, increasing to 80% B over 10 minutes, increasing to 90% B over 5 minutes, hold at 90% B for 5 minutes, then return to 20% over 1 minute.
COLUMN TEMP.	60 °C
FLOW RATE	1.0 mL/minute
INJECTION VOL.	5.0 µL
INJECTION CONC.	1.1mg/mL in 80:20 Acetonitrile: Water
DETECTION	202 ± 4 nm

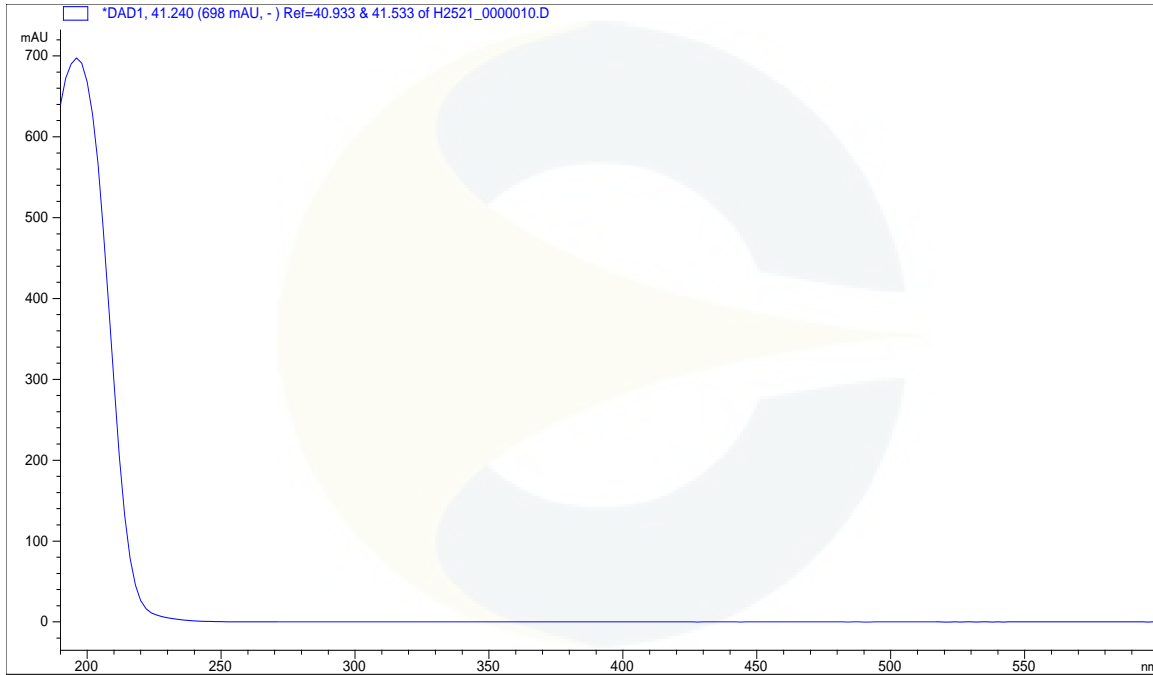
HPLC CHROMATOGRAM OF STEVIOL (CDXP-21-00547)



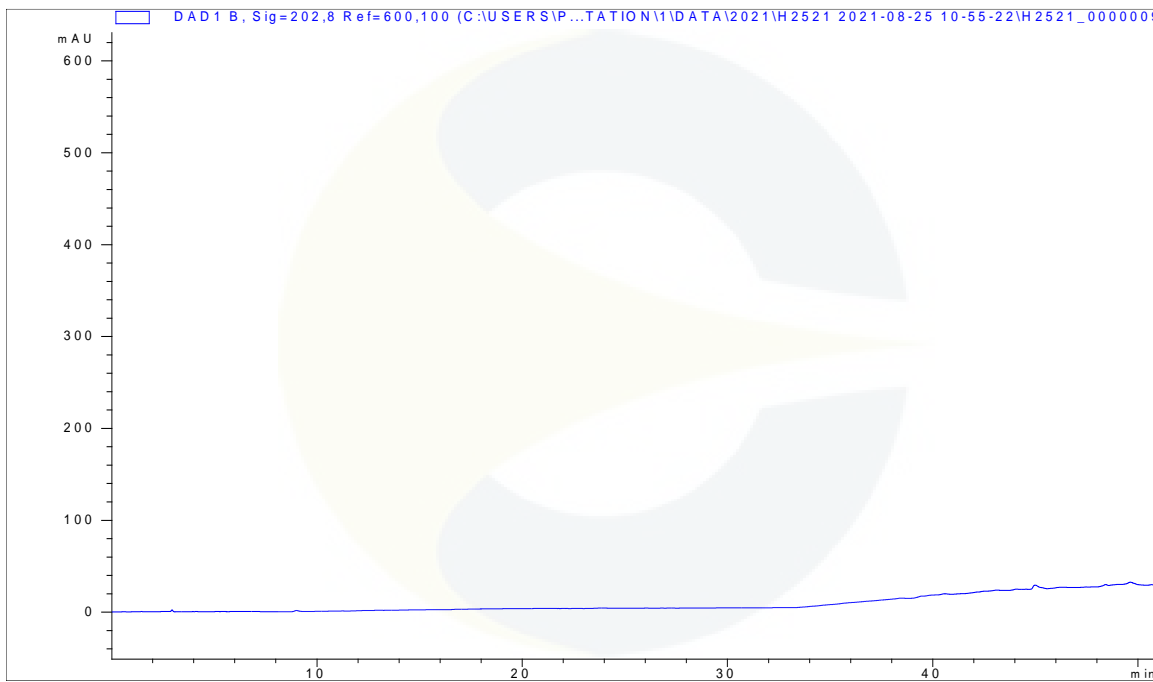
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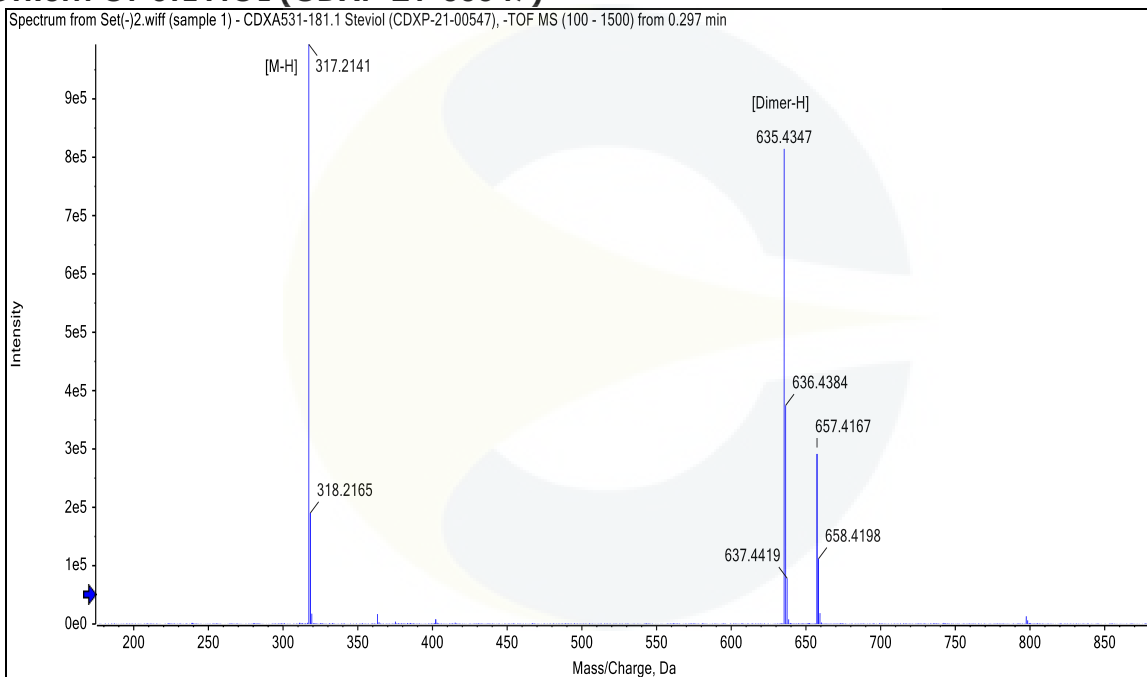
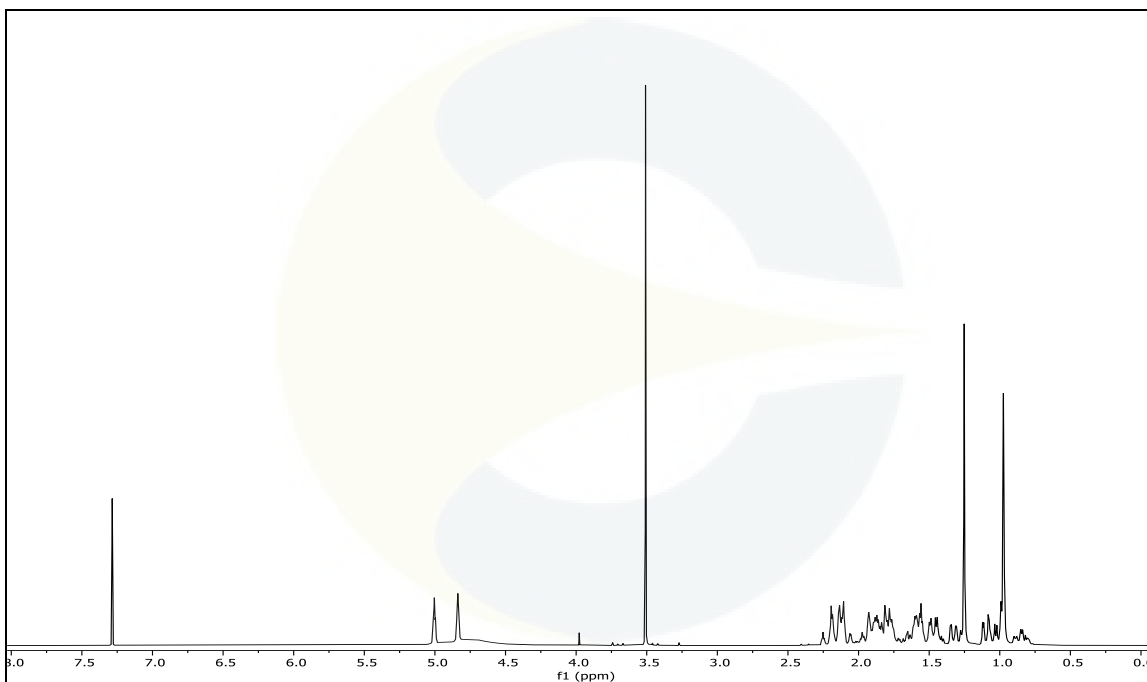
UV SPECTRUM AT RT = 41.2 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK

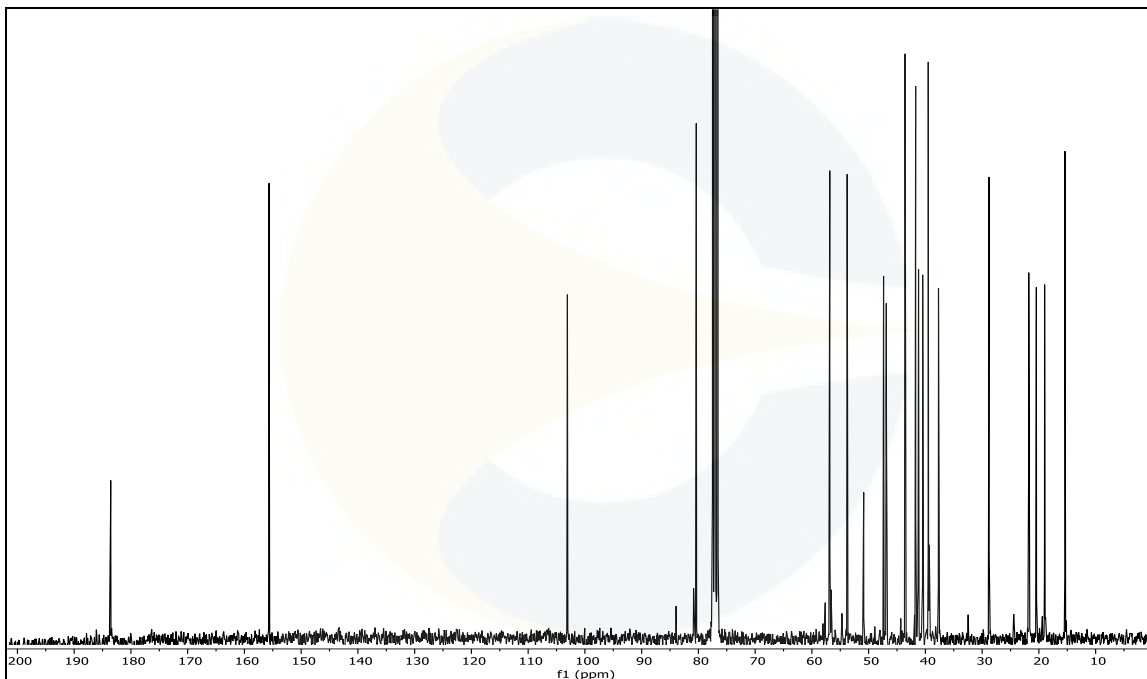


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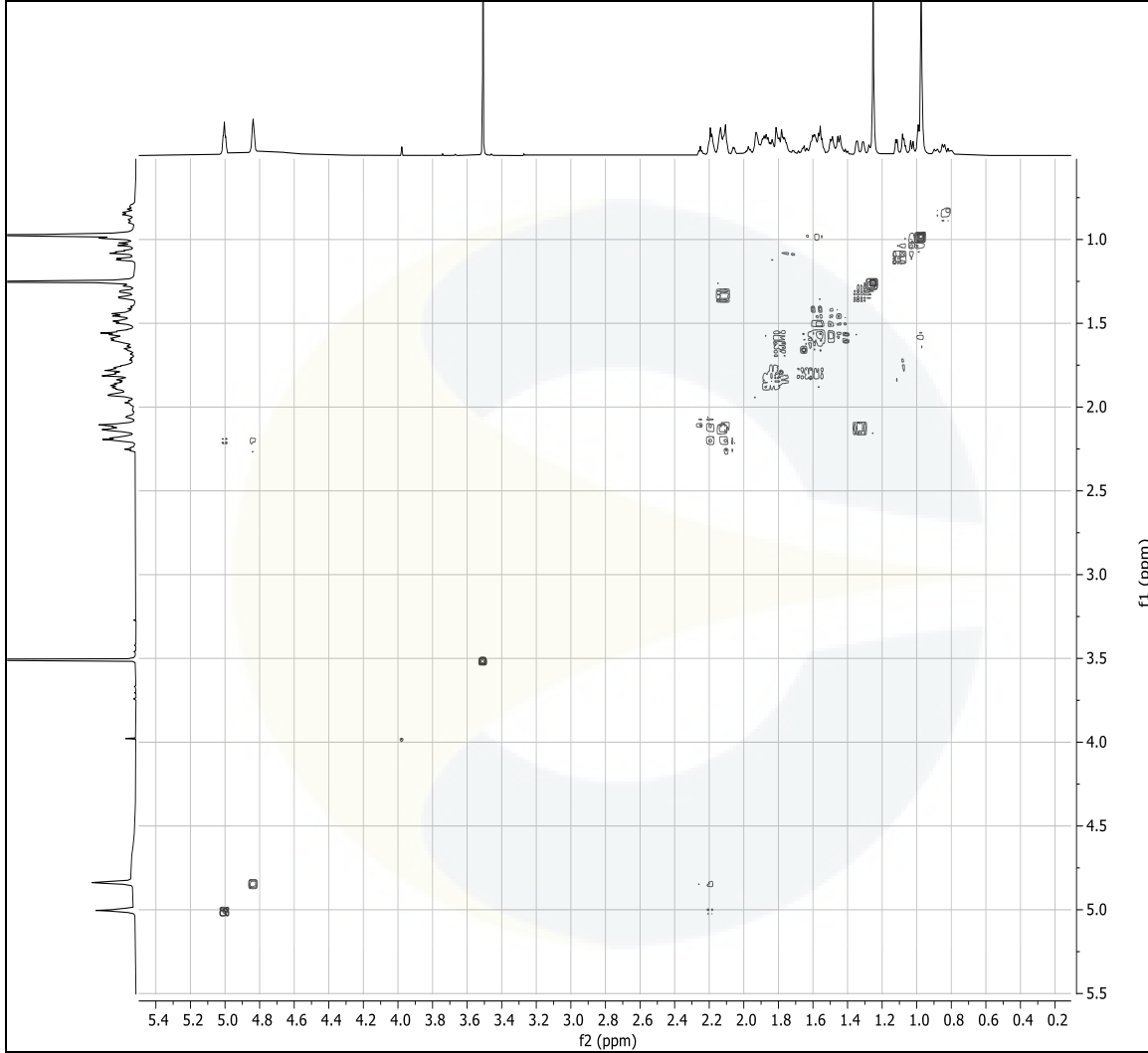
MASS SPECTRUM OF STEVIOL (CDXP-21-00547)

¹H-NMR SPECTRUM OF STEVIOL (CDXP-21-00547) IN CDCl₃


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¹³C-NMR SPECTRUM STEVIOL (CDXP-21-00547) IN CDCl₃



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COSY-NMR SPECTRUM OF STEVIOL (CDXP-21-00547) IN CDCl₃

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	10/18/2021	New report

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