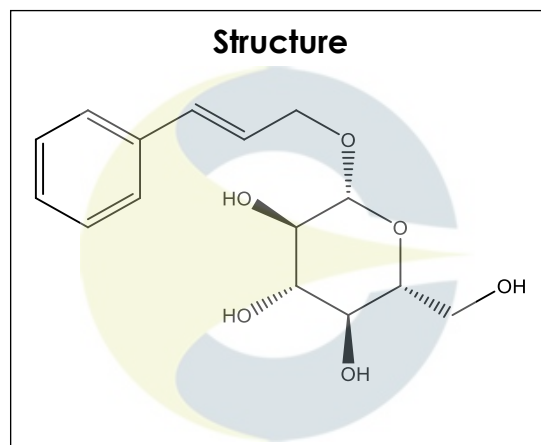


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<b>PRODUCT NAME</b>	Rosin
<b>PART NUMBER</b>	00018367
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00018367-01A
<b>REPORT NUMBER</b>	CDXA-RSS-10037-00
<b>SAMPLE NUMBER</b>	CDXP-22-01172
<b>DATE OF SAMPLE</b>	12/27/2022
<b>DATE OF REPORT</b>	01/12/2023



<b>CHEMICAL NAMES</b>	(2E)-3-Phenyl-2-propen-1-yl-β-D-glucopyranoside; trans-Cinnamyl β-D-glucopyranoside
<b>CHEMICAL FORMULA</b>	C <sub>15</sub> H <sub>20</sub> O <sub>6</sub>
<b>MOLECULAR WEIGHT (MW)</b>	296.32
<b>CHEMICAL FAMILY</b>	Sugars
<b>CAS NUMBER</b>	[85026-55-7]
<b>EC#(EINECS)</b>	N/A
<b>RTECS</b>	LZ5985830

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	95.5%
HPLC	0.700.10.2.METH22	≥ 90%	97.4%
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	1.9%
Appearance	NA	NA	White powder

\*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 95.5% IS BASED ON (100 - 0.0 SOLVENTS - 1.9 WATER) X 97.4% HPLC

**STORAGE CONDITIONS**

<b>STORAGE</b>	+4 °C in a dry place.
<b>EXPIRATION DATE</b>	12/2027 under the above conditions.

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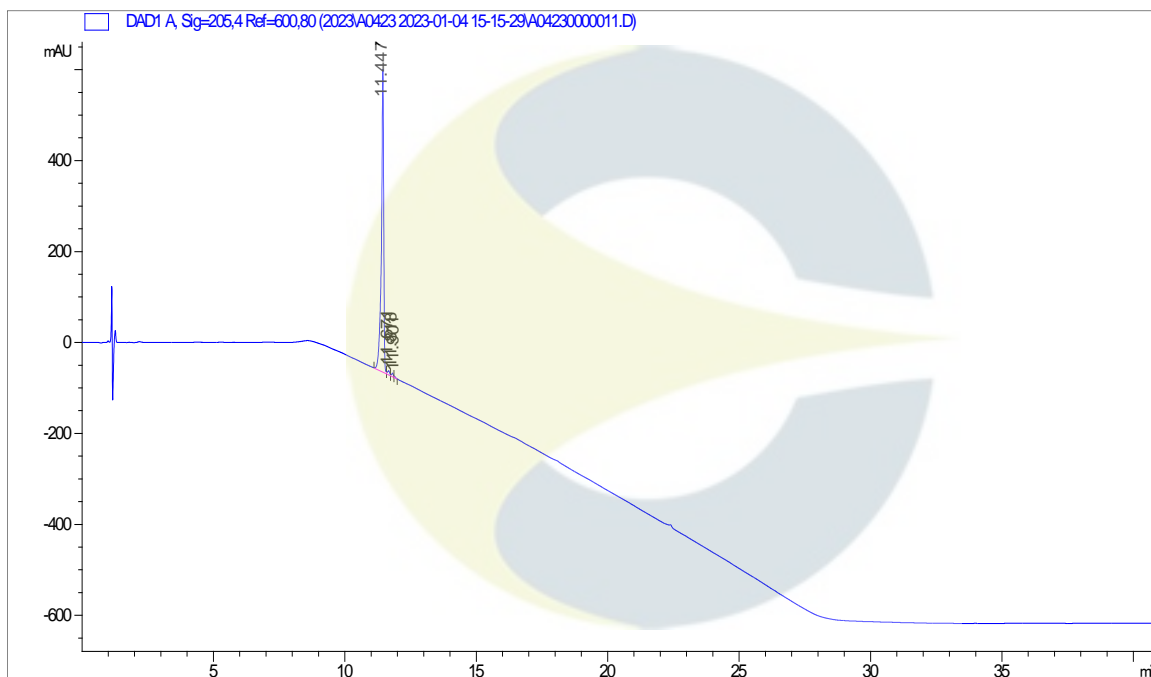
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### ANALYTICAL CONDITIONS

<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
<b>COLUMN</b>	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
<b>MOBILE PHASE</b>	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, then decreasing to 5% B over 1 minute.
<b>COLUMN TEMP.</b>	60 °C
<b>FLOW RATE</b>	0.4 mL/minute
<b>INJECTION VOL.</b>	0.4 µL
<b>INJECTION CONC.</b>	1.0 mg/mL in Methanol
<b>DETECTION</b>	205 ± 4 nm

### HPLC CHROMATOGRAM OF ROSIN (CDXP-22-01172)

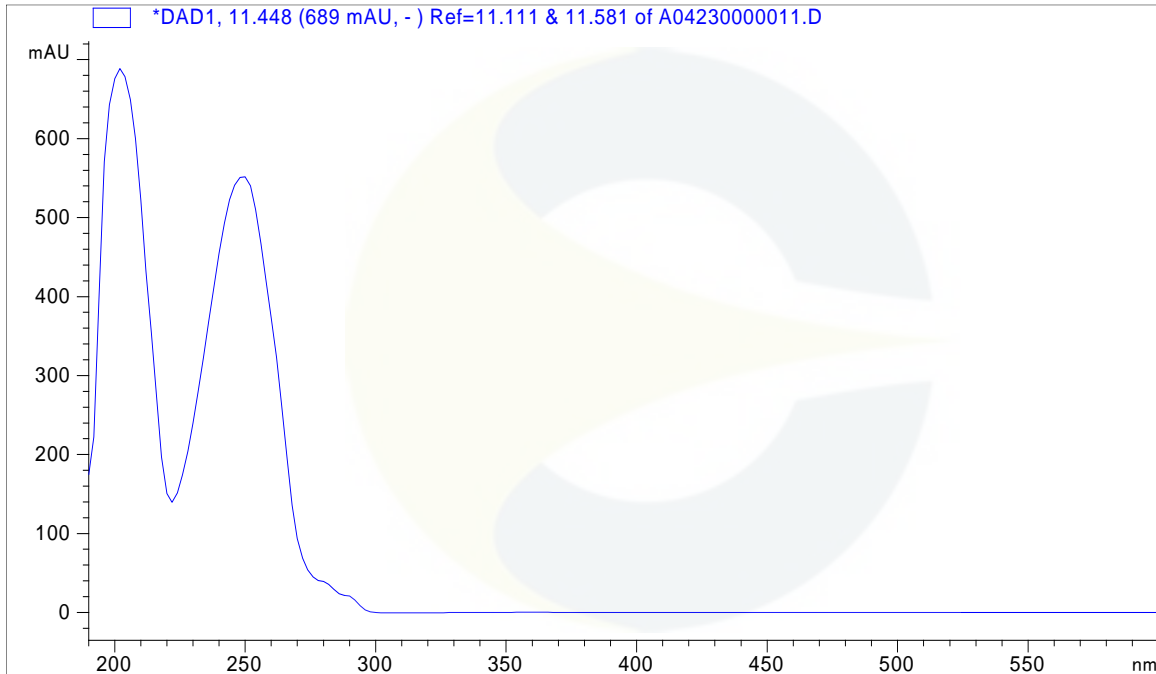


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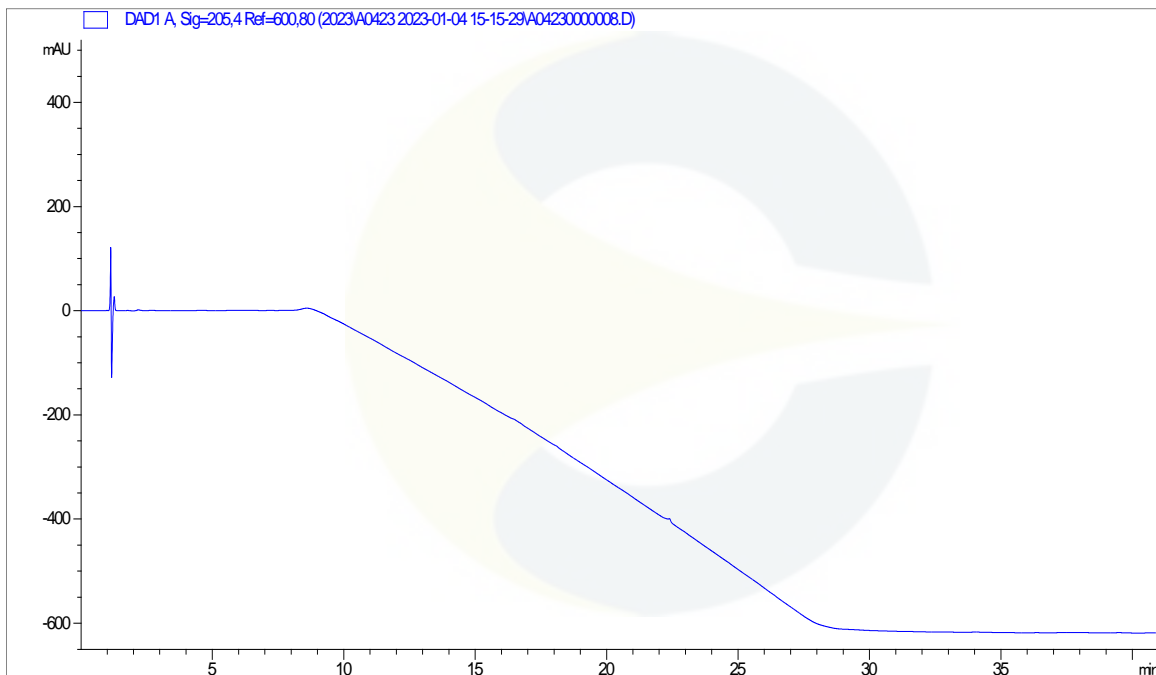
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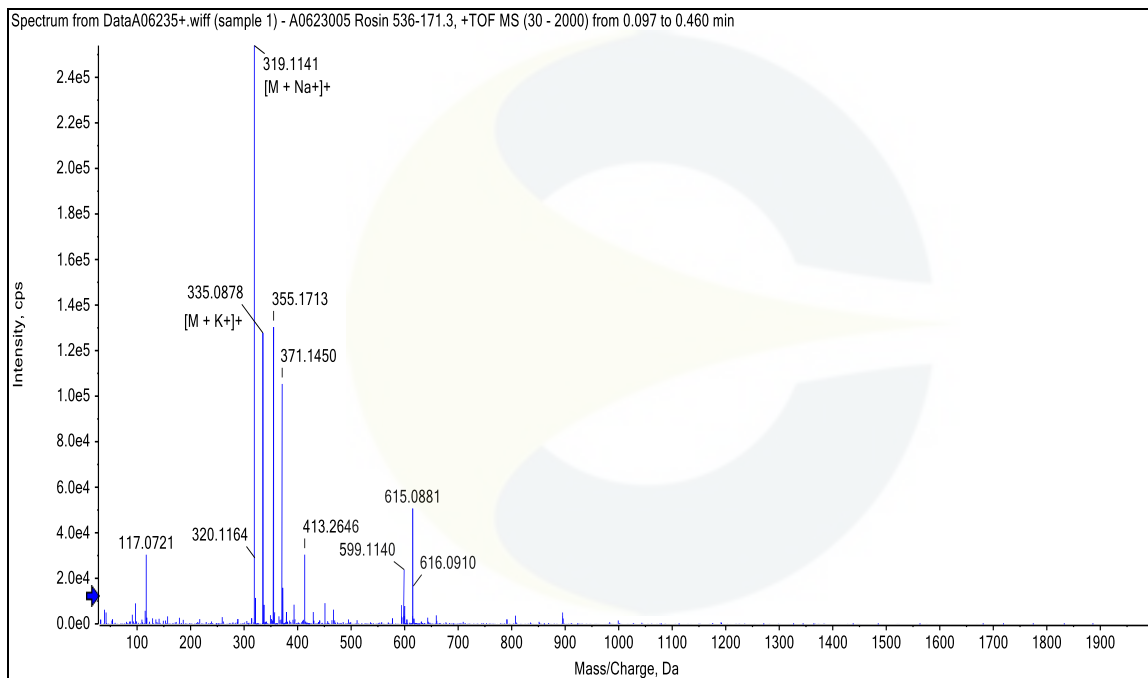
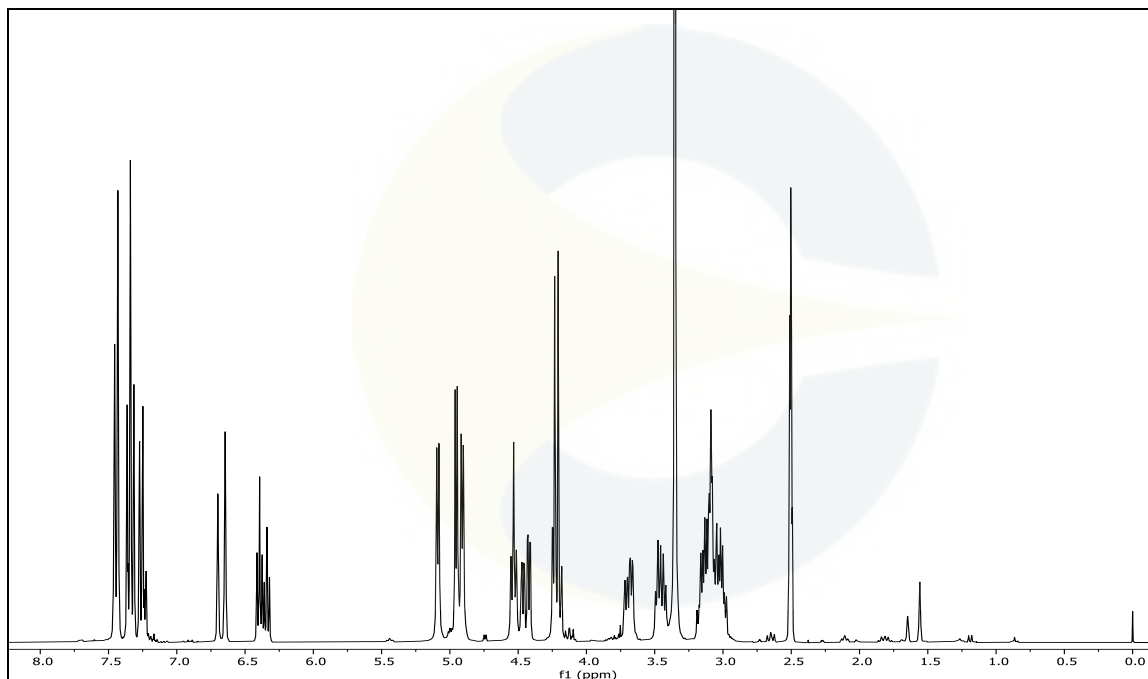
## UV SPECTRUM AT RT = 11.4 MINUTES



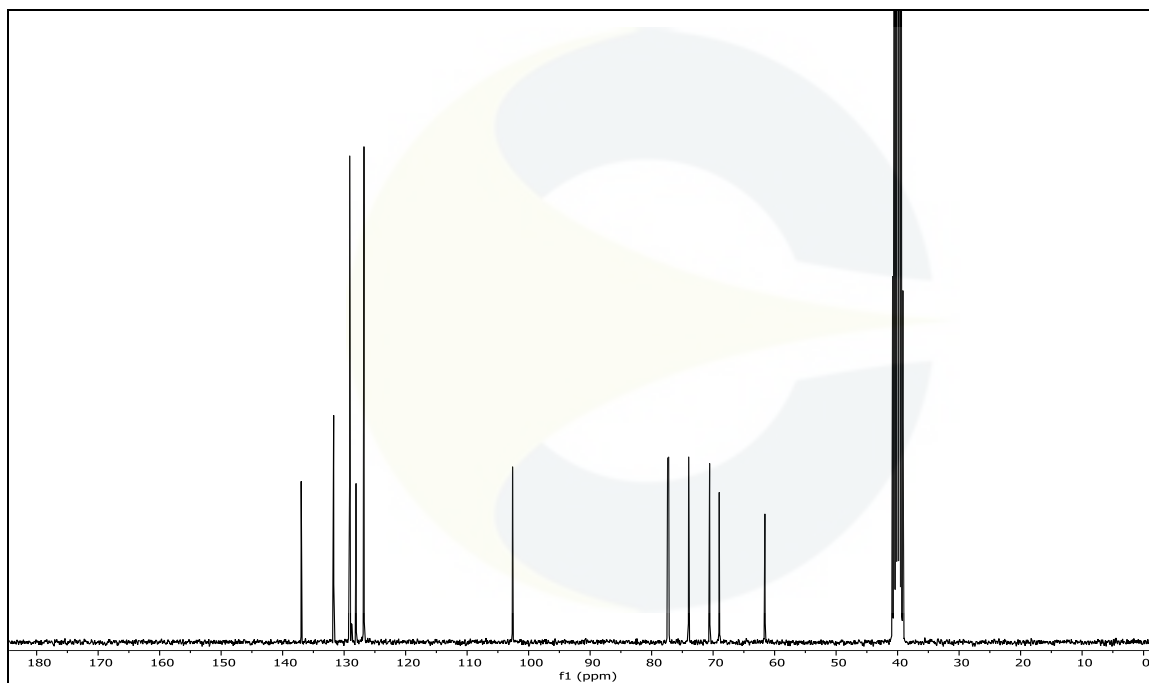
## HPLC CHROMATOGRAM OF DILUENT BLANK



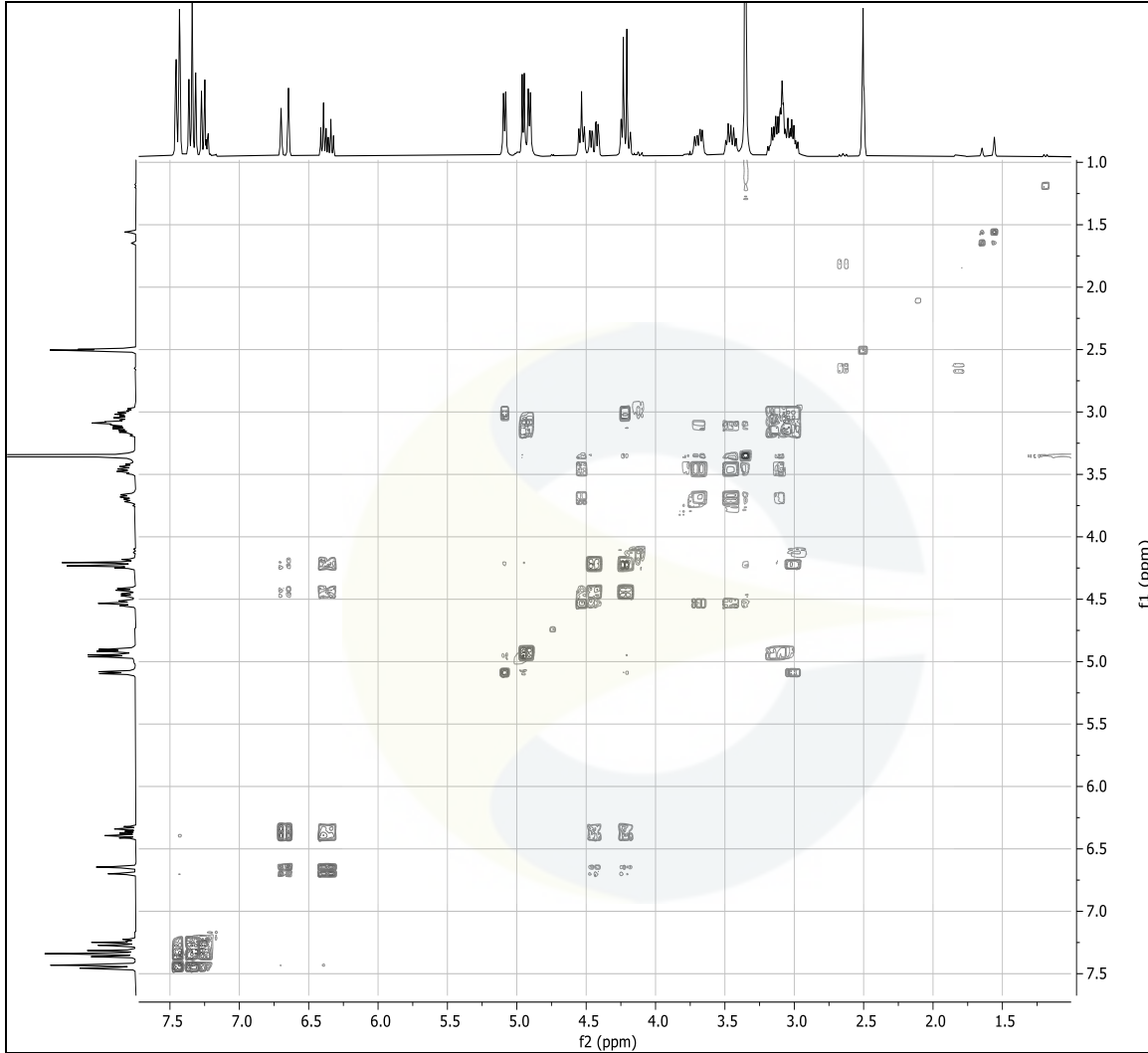
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**MASS SPECTRUM OF ROSIN (CDXP-22-01172)**

**<sup>1</sup>H-NMR SPECTRUM OF ROSIN (CDXP-22-01172) IN DMSO-d<sub>6</sub> + TMS**


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**$^{13}\text{C}$ -NMR SPECTRUM ROSIN (CDXP-22-01172) IN DMSO- $d_6$  + TMS**

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**COSY-NMR SPECTRUM OF ROSIN (CDXP-22-01172) IN DMSO-d<sub>6</sub> + TMS**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	01/12/2023	New report

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