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## **SPECIMEN**

# Certificate of Analysis

For Laboratory Use Only

PRODUCT NAME	Rosin	Structure
PART NUMBER	00018367	
STANDARD TYPE	Primary (P)	
LOT NUMBER	00018367-01A	но
REPORT NUMBER	CDXA-RSS-10037-00	
SAMPLE NUMBER	CDXP-22-01172	ношин ОН
DATE OF SAMPLE	12/27/2022	ОН
DATE OF REPORT	01/12/2023	
CHEMICAL NAMES	(2E)-3-Phenyl-2-propen-1-yl-β-D-glucop glucopyranoside	yranoside; trans-Cinnamyl β-D-
CHEMICAL FORMULA	$C_{15}H_{20}O_{6}$	
MOLECULAR WEIGHT (MW)	296.32	
CHEMICAL FAMILY	Sugars	
CAS NUMBER	[85026-55-7]	
EC#(EINECS)	N/A	
RTECS	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**

STORAGE

+4 °C in a dry place.

**EXPIRATION DATE** 12/2027 under the above conditions.

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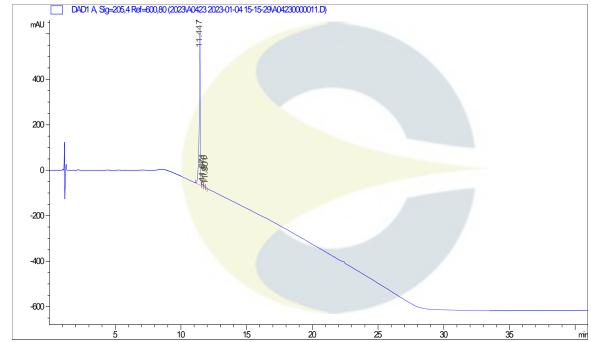
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## ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 $\mu$ m 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, then decreasing to 5% B over 1 minute.
COLUMN TEMP.	0° C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.4 μL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	205 ± 4 nm

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





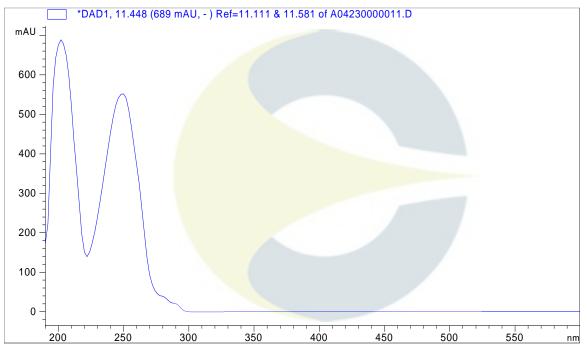


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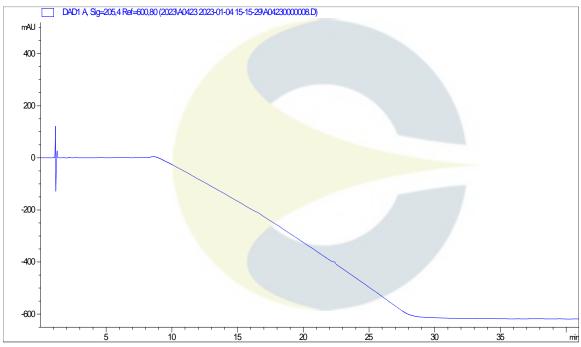


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#### UV SPECTRUM AT RT = 11.4 MINUTES



### HPLC CHROMATOGRAM OF DILUENT BLANK



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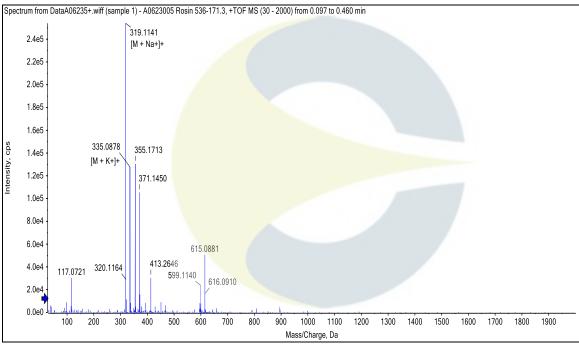


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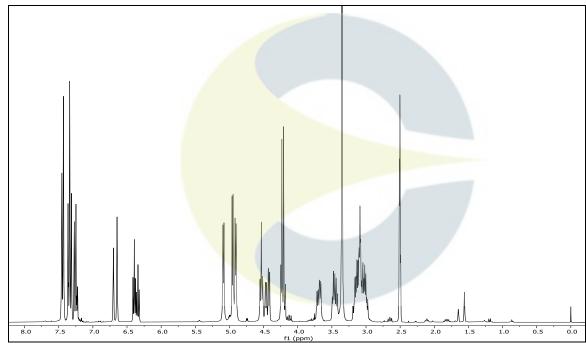
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### MASS SPECTRUM OF ROSIN (CDXP-22-01172)



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







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<sup>13</sup>C-NMR SPECTRUM ROSIN (CDXP-22-01172) IN DMSO-d<sub>6</sub> + TMS

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### 180 170 160 150 140 120 110 50 30 10 130 100 90 f1 (ppn 80 żο éo 40 20





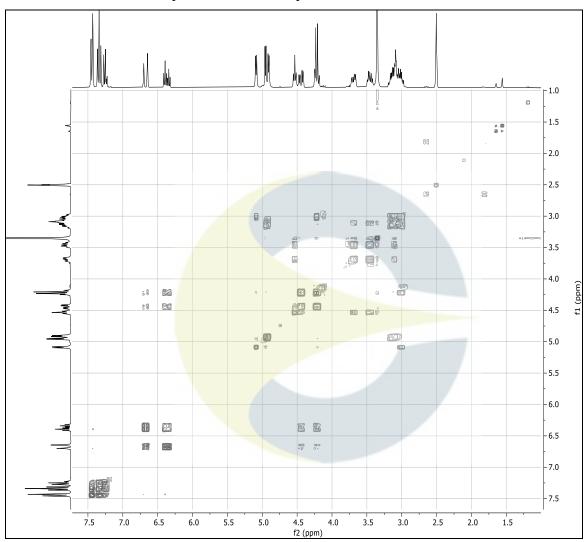
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# COSY-NMR SPECTRUM OF ROSIN (CDXP-22-01172) IN DMSO-d<sub>6</sub> + TMS



### **REVISION HISTORY**

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