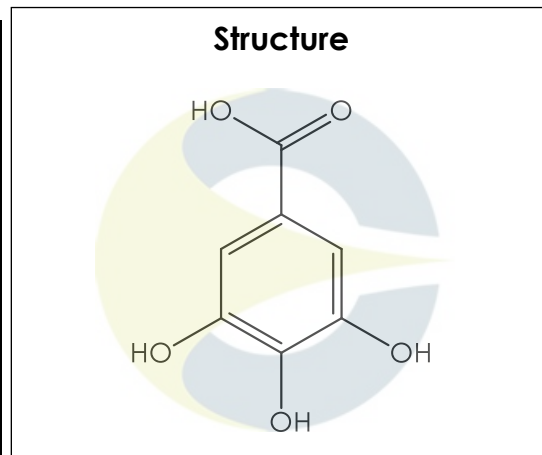


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<b>PRODUCT NAME</b>	Gallic acid
<b>PART NUMBER</b>	00007040
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00007040-005
<b>REPORT NUMBER</b>	CDXA-RSS-9646-00
<b>SAMPLE NUMBER</b>	CDXP-22-00032
<b>DATE OF SAMPLE</b>	01/11/2022
<b>DATE OF REPORT</b>	02/07/2022



<b>CHEMICAL NAMES</b>	3,4,5-Trihydroxy-benzoic acid; 3,4,5-Hydroxybenzoic acid
<b>CHEMICAL FORMULA</b>	C <sub>7</sub> H <sub>6</sub> O <sub>5</sub>
<b>MOLECULAR WEIGHT (MW)</b>	170.12
<b>CHEMICAL FAMILY</b>	Phenolic acids
<b>CAS NUMBER</b>	[149-91-7]
<b>EC#(EINECS)</b>	205-749-9
<b>RTECS</b>	LW7525000

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	99.9%
HPLC	0.700.10.2.METH22	≥ 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	ND
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

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

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

**STORAGE CONDITIONS**

<b>STORAGE</b>	Room Temperature in a dry place.
<b>EXPIRATION DATE</b>	01/2027 under the above conditions.

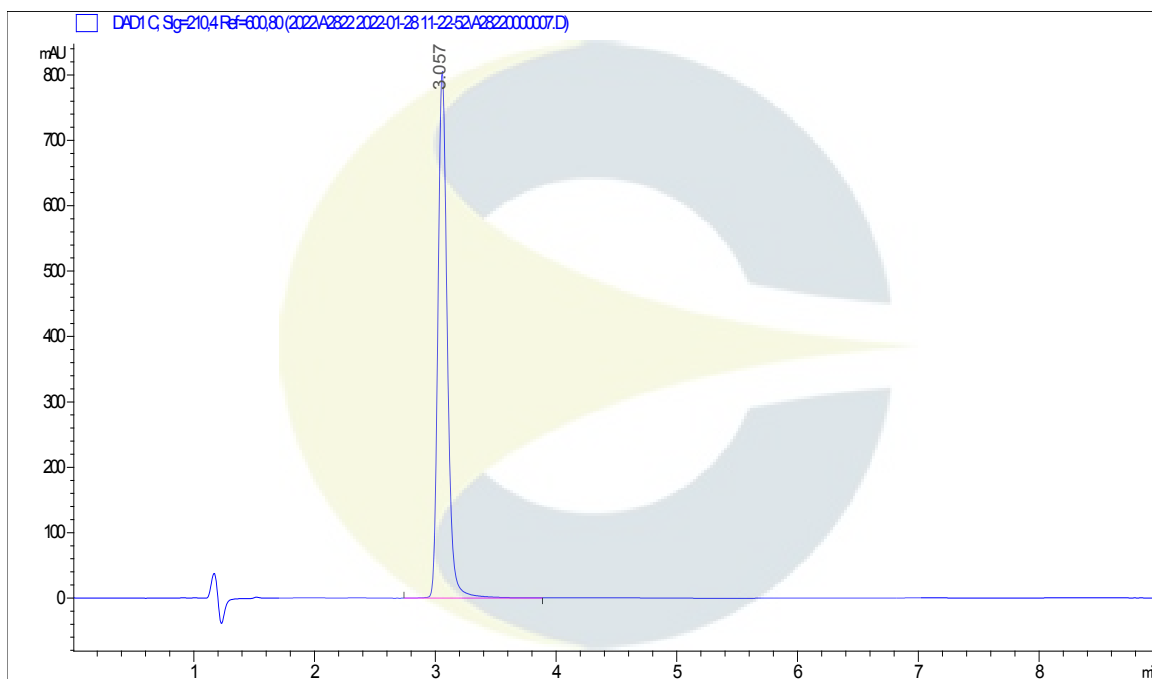


**Digitally signed by**  
**Tiffany Rodgers**  
**Date: 2022.02.07**  
**14:28:15 -07'00'**

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**ANALYTICAL CONDITIONS**

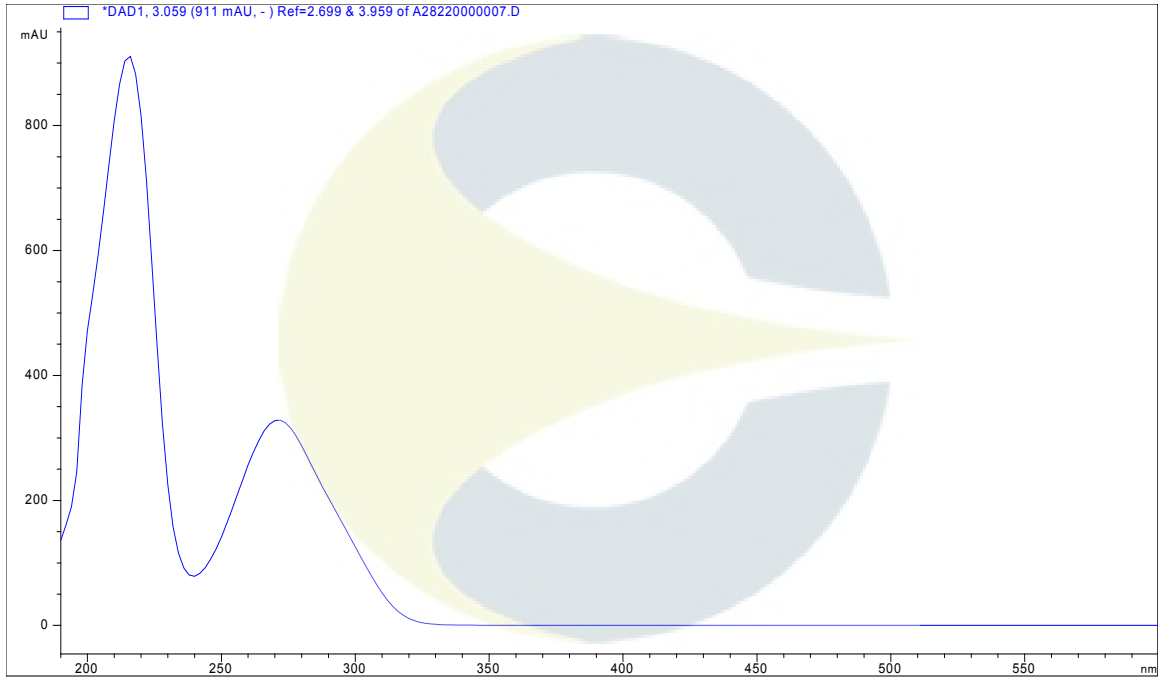
<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
<b>COLUMN</b>	Phenomenex Luna Phenyl-Hexyl 150 x 2.00 mm, 3 µm particle size
<b>MOBILE PHASE</b>	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 1% B for 9 minutes.
<b>COLUMN TEMP.</b>	30 °C
<b>FLOW RATE</b>	0.4 mL/minute
<b>INJECTION VOL.</b>	0.2 µL
<b>INJECTION CONC.</b>	1.0 mg/mL in Methanol
<b>DETECTION</b>	210 ± 2 nm

**HPLC CHROMATOGRAM OF GALLIC ACID (CDXP-22-00032)**


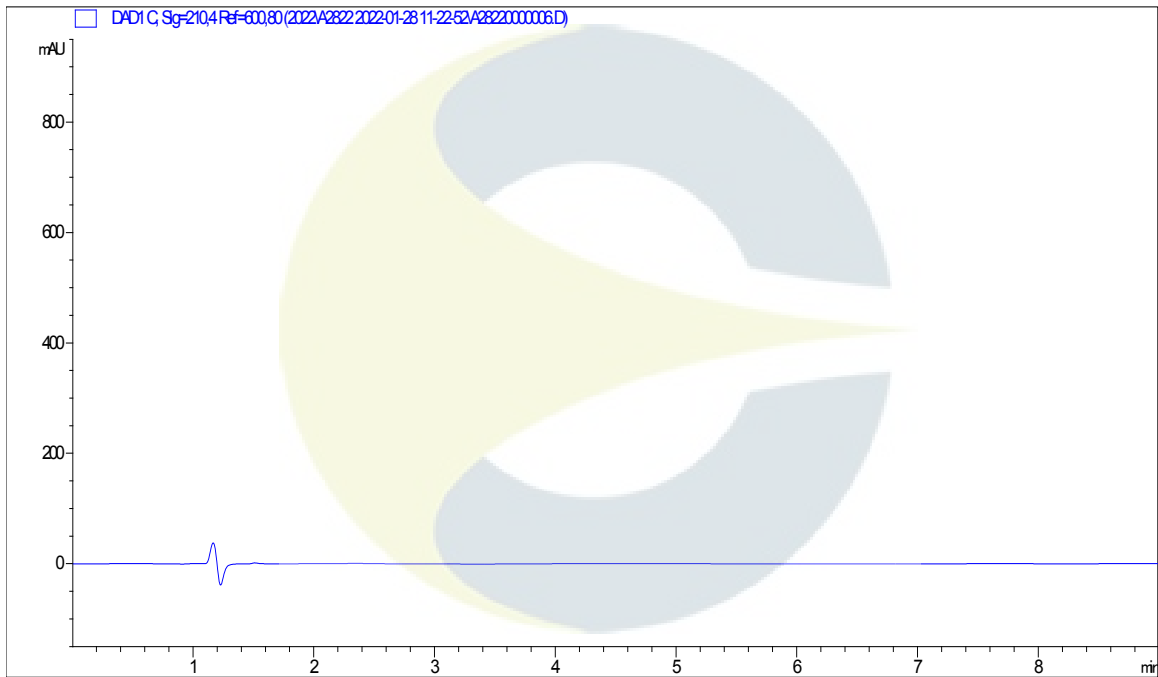
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**UV SPECTRUM AT RT = 3.1 MINUTES**



**HPLC CHROMATOGRAM OF DILUENT BLANK**



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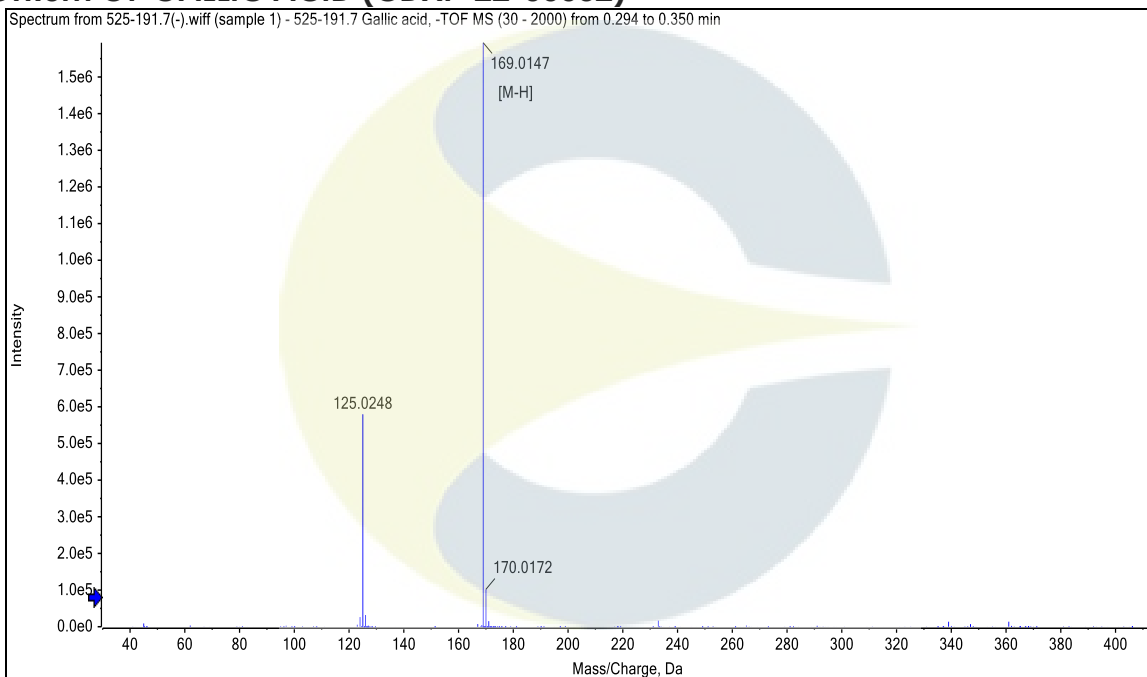
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Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com) Website: [www.lifetechindia.com](http://www.lifetechindia.com)

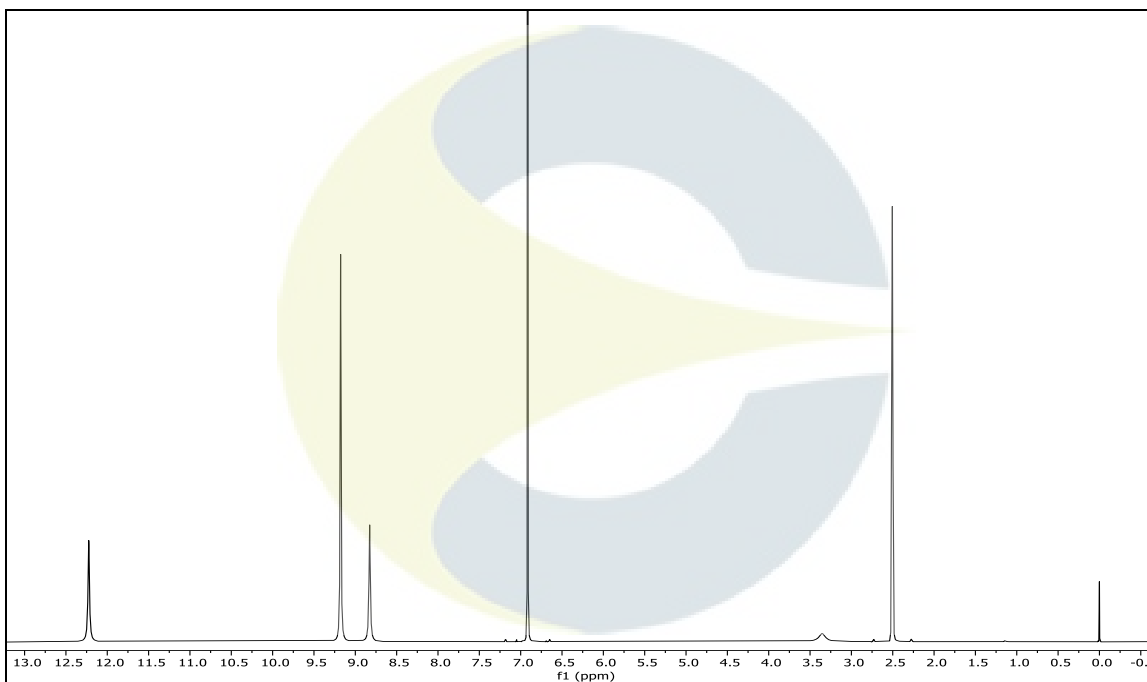
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**MASS SPECTRUM OF GALLIC ACID (CDXP-22-00032)**



**<sup>1</sup>H-NMR SPECTRUM OF GALLIC ACID (CDXP-22-00032) IN DMSO-d<sub>6</sub> + TMS**

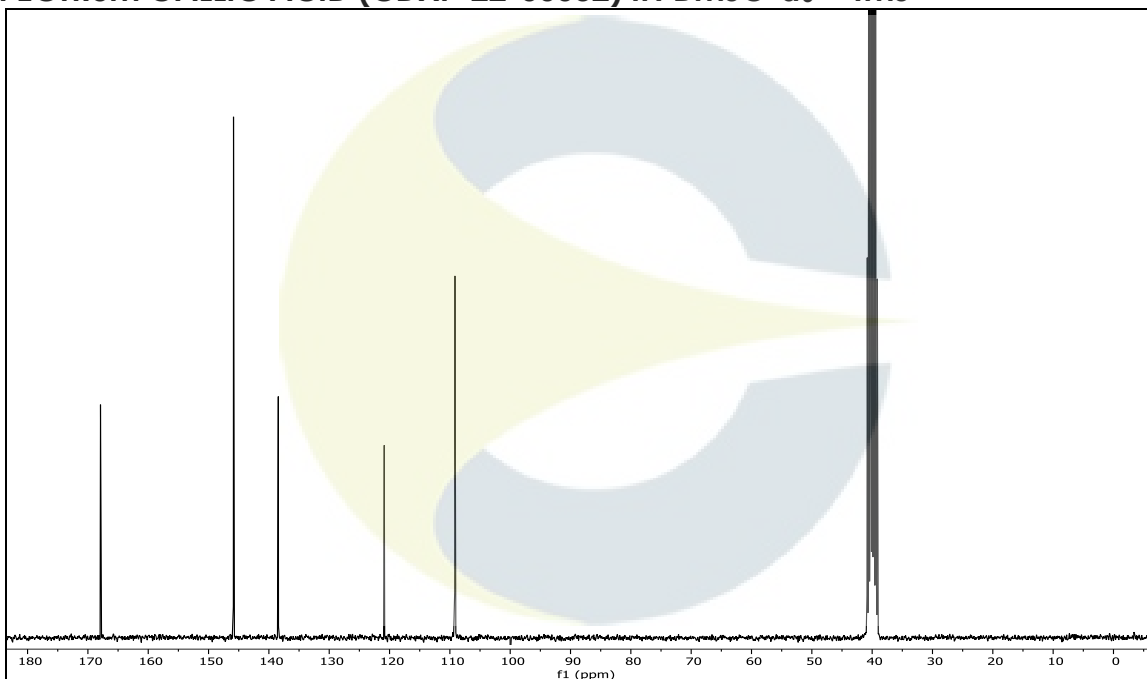


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<sup>13</sup>C-NMR SPECTRUM GALLIC ACID (CDXP-22-00032) IN DMSO-d<sub>6</sub> + TMS



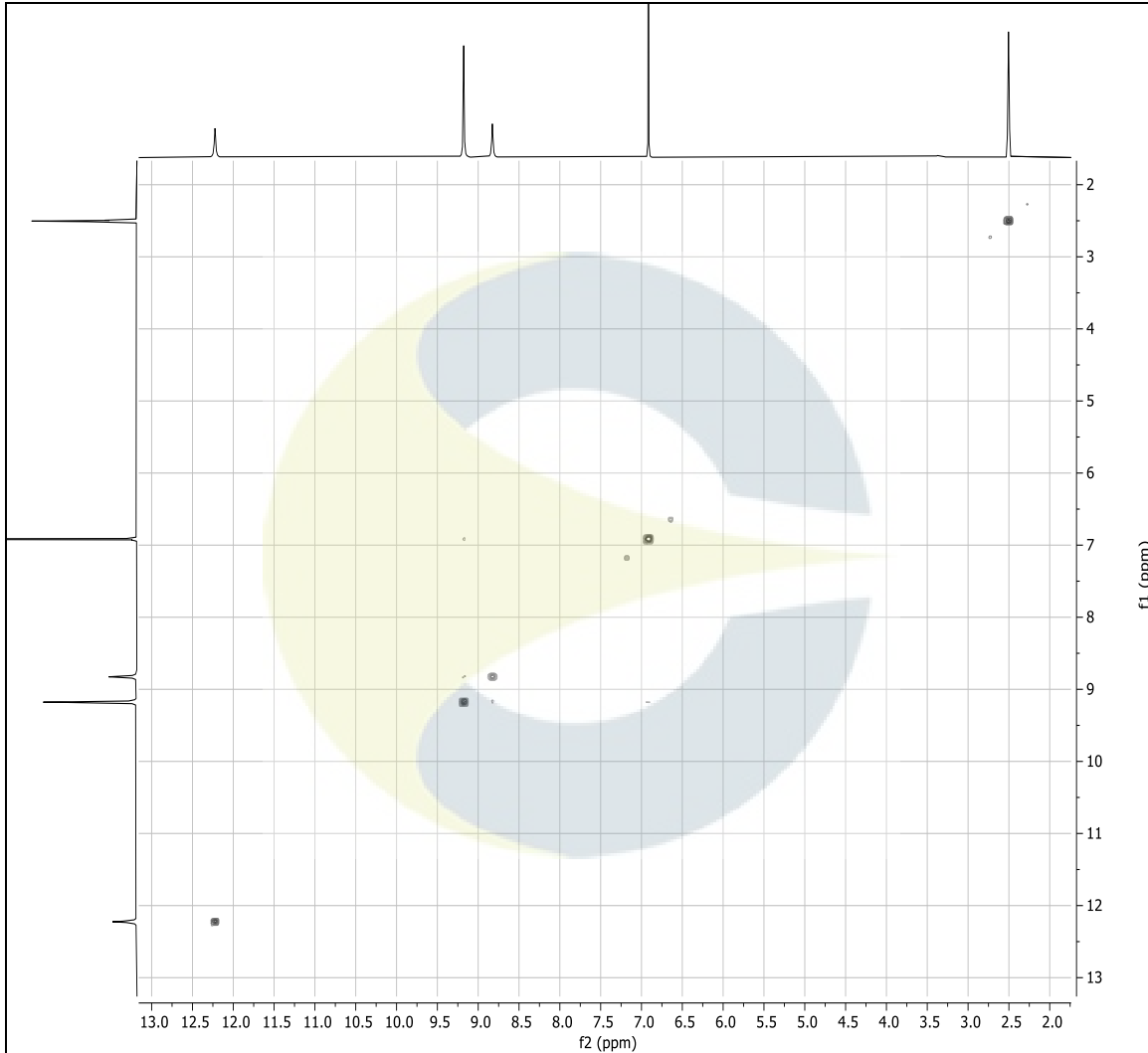
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COSY-NMR SPECTRUM OF GALLIC ACID (CDXP-22-00032) IN DMSO-d<sub>6</sub> + TMS



REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	02/07/2022	New report

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