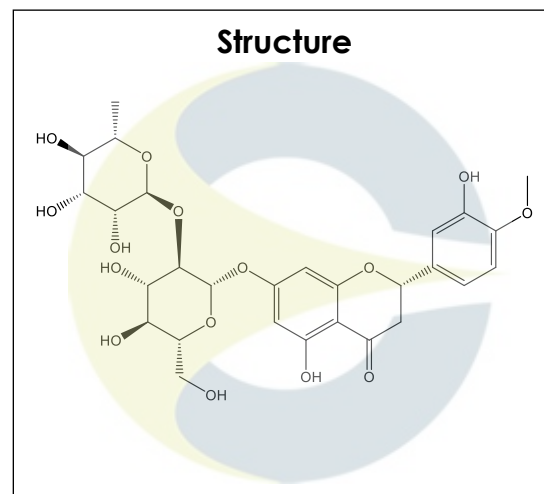


**Certificate of Analysis**

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<b>PRODUCT NAME</b>	Neohesperidin
<b>PART NUMBER</b>	00014250
<b>STANDARD TYPE</b>	Analytical Standard (AS)
<b>LOT NUMBER</b>	00014250-642
<b>REPORT NUMBER</b>	CDXA-RSS-9358-01
<b>SAMPLE NUMBER</b>	CDXP-21-00315
<b>DATE OF SAMPLE</b>	04/29/2021
<b>DATE OF RE-EVALUATION</b>	08/30/2022
<b>DATE OF REPORT</b>	09/23/2022



<b>CHEMICAL NAMES</b>	(2S)-7-[[2-O-(6-Deoxy- $\alpha$ -L-mannopyranosyl)- $\beta$ -D-glucopyranosyl]oxy-2,3-dihydro-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-4H-1-benzopyran-4-one; Hesperetin-7-O-neohesperidoside
<b>CHEMICAL FORMULA</b>	C <sub>28</sub> H <sub>34</sub> O <sub>15</sub>
<b>MOLECULAR WEIGHT (MW)</b>	610.56
<b>CHEMICAL FAMILY</b>	Flavonoids
<b>CAS NUMBER</b>	[13241-33-3]
<b>EC#(EINECS)</b>	236-216-9
<b>RTECS</b>	DJ2981400

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	$\geq 75\%$	97.6%
Mass Spectrum	0.700.12.27	Conforms	Conforms
Appearance	NA	NA	Off white powder

**STORAGE CONDITIONS**

<b>STORAGE</b>	Room Temperature in a dry place.
<b>EXPIRATION DATE</b>	08/2027 under the above conditions.

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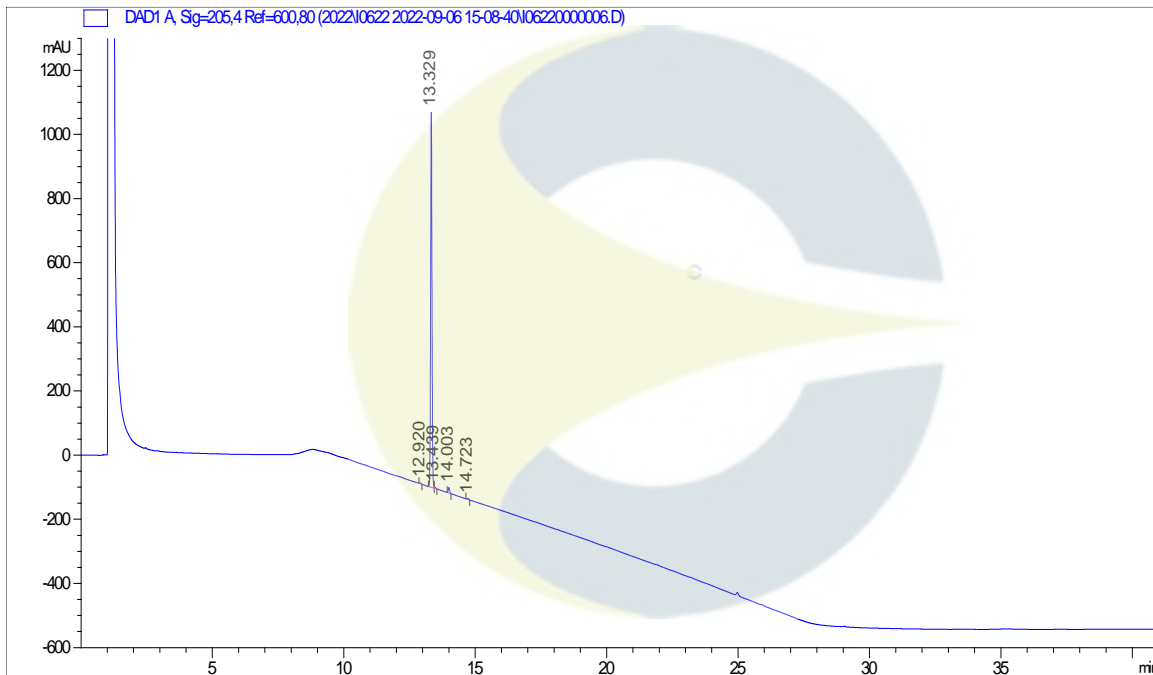
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## ANALYTICAL CONDITIONS

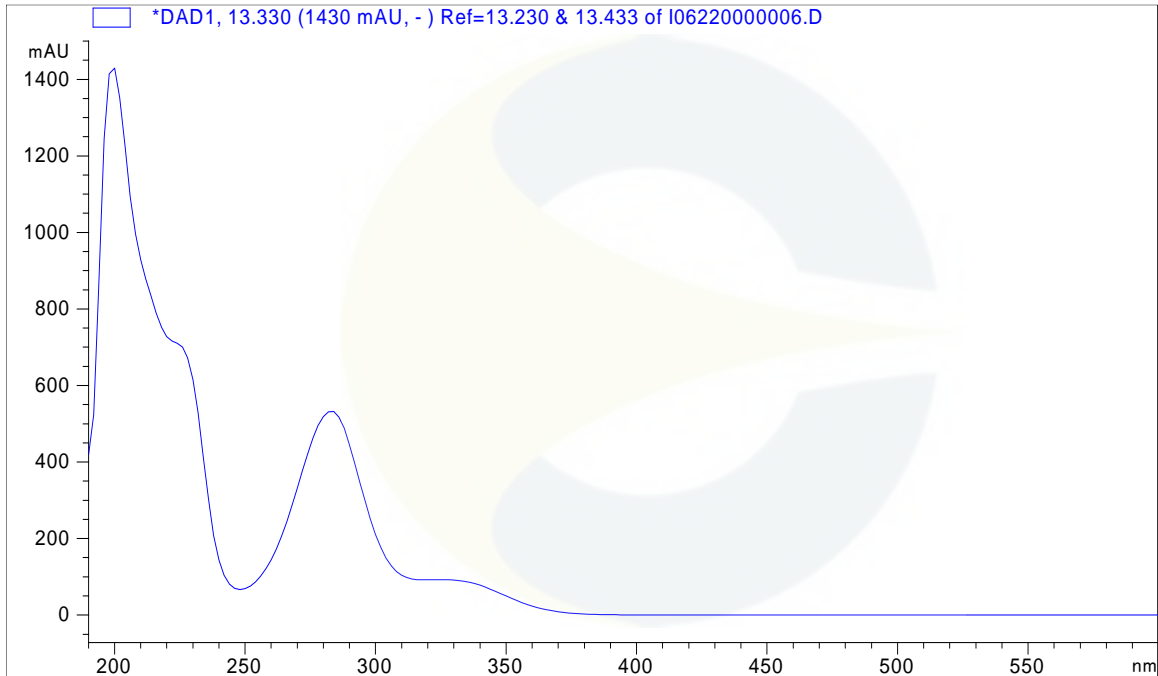
<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
<b>COLUMN</b>	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
<b>MOBILE PHASE</b>	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. 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 DMSO
<b>DETECTION</b>	205 ± 2 nm

## HPLC CHROMATOGRAM OF NEOHESPERIDIN (CDXP-21-00315)

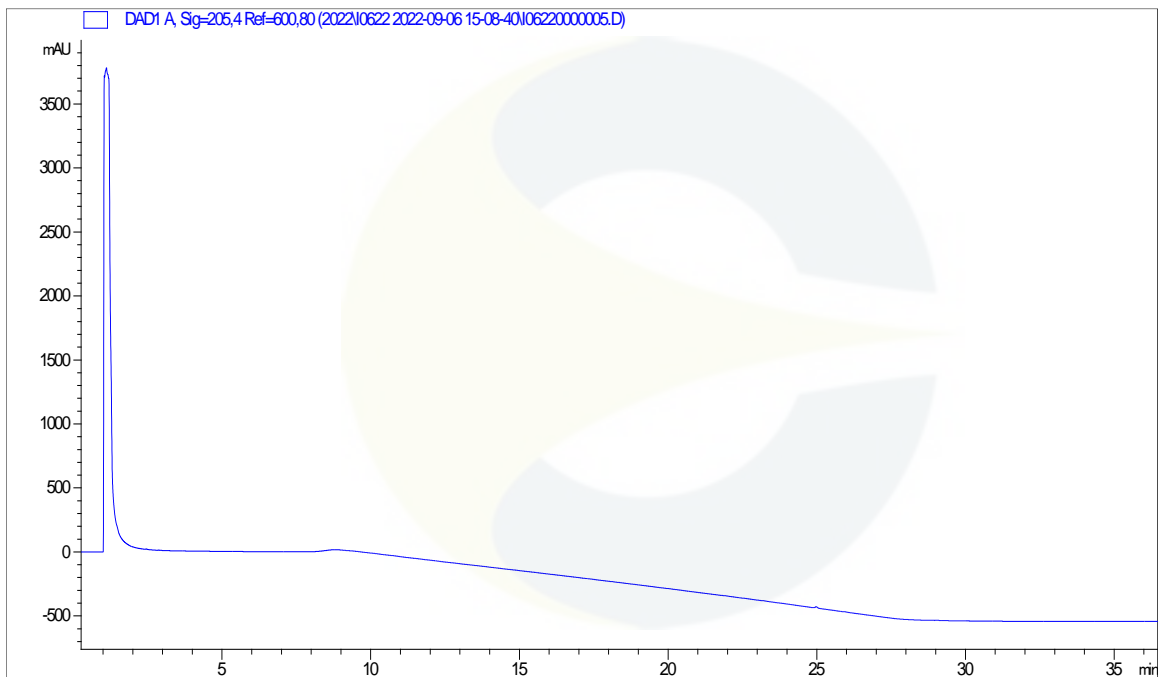


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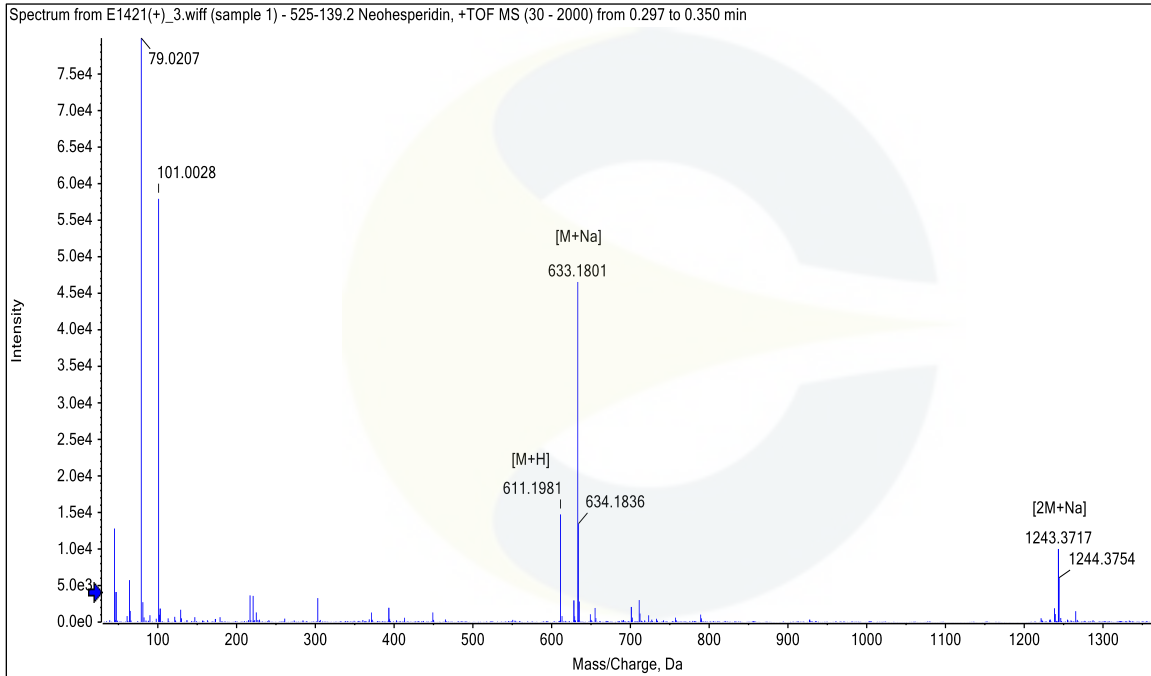
**UV SPECTRUM AT RT = 13.3 MINUTES**



**HPLC CHROMATOGRAM OF DILUENT BLANK**



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**MASS SPECTRUM OF NEOHESPERIDIN (CDXP-21-00315)**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	05/24/2021	New report
01	09/23/2022	Passed re-evaluation by HPLC. Updated chromatograms, structure, and expiration date.

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