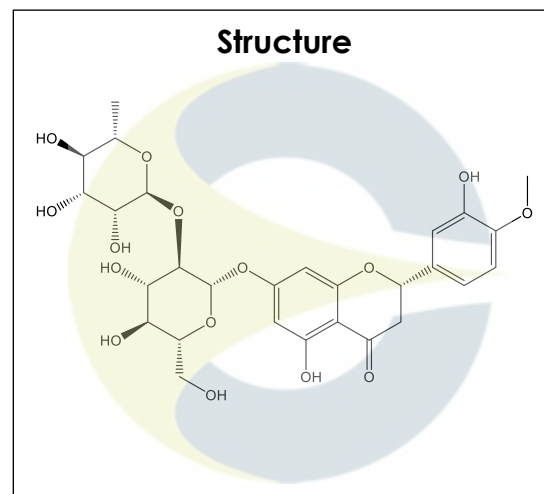


Certificate of Analysis

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



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

ANALYTICAL RESULTS

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

STORAGE CONDITIONS

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

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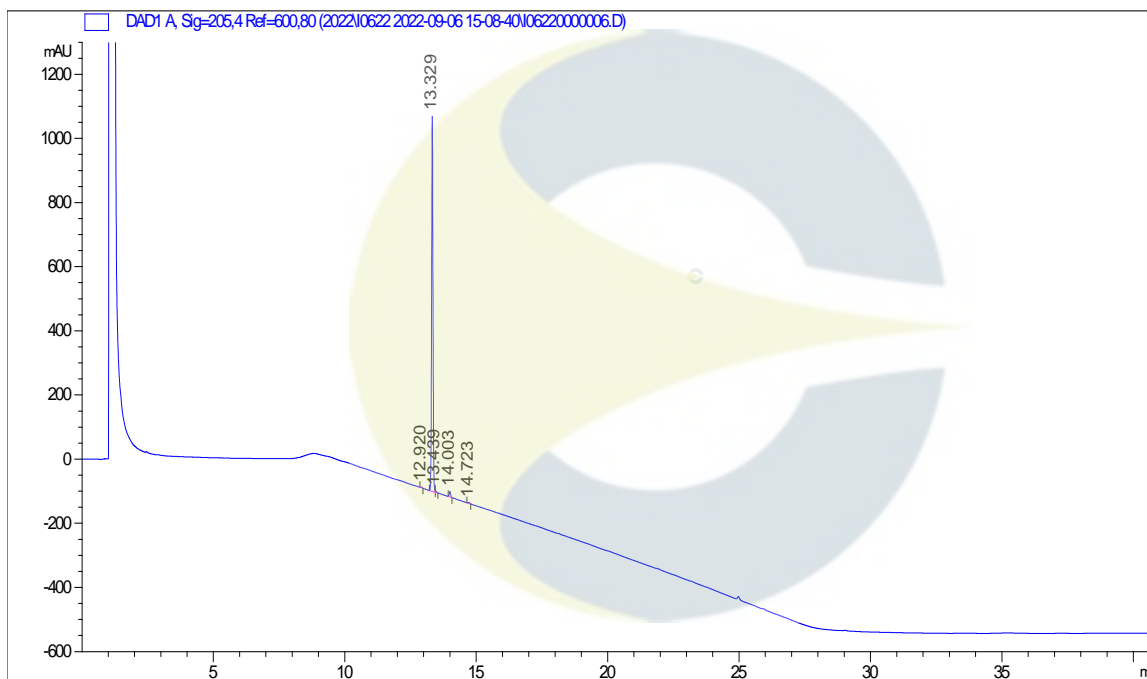
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm 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.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.4 µL
INJECTION CONC.	1.0 mg/mL in DMSO
DETECTION	205 ± 2 nm

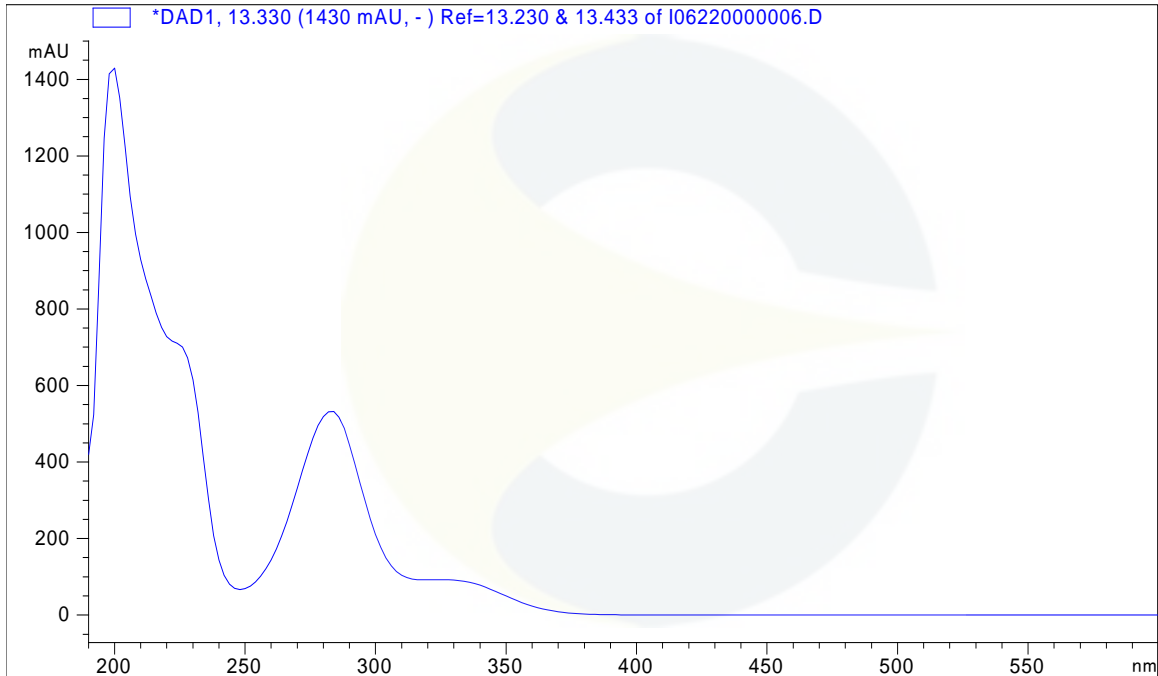
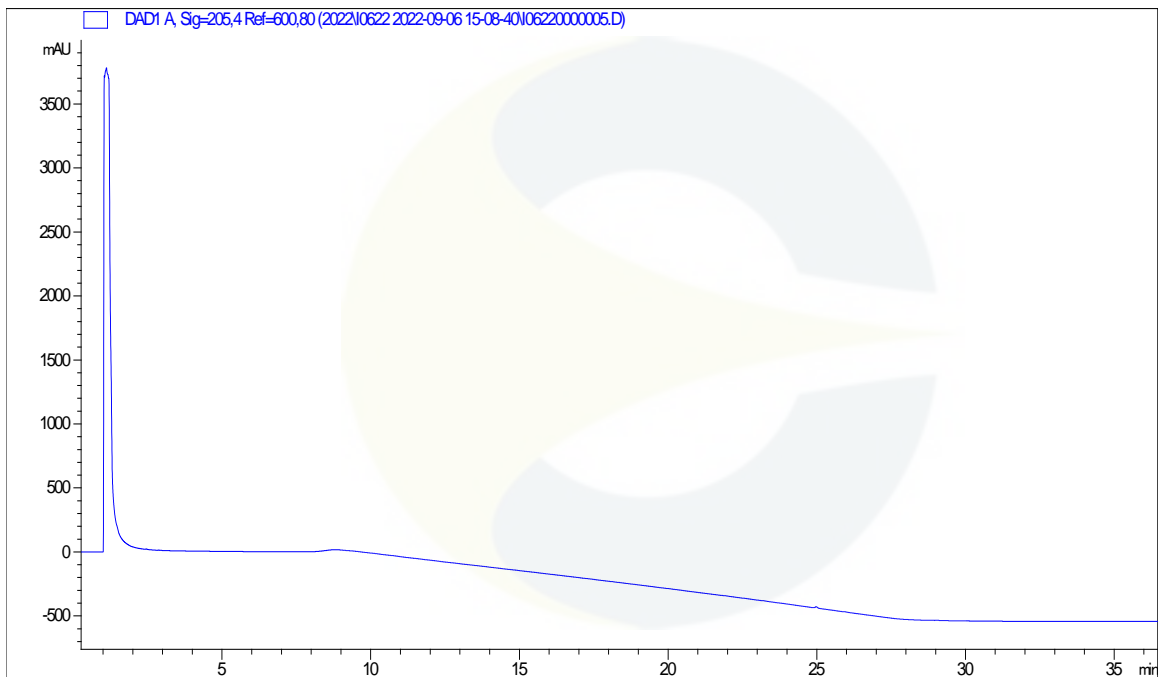
HPLC CHROMATOGRAM OF NEOHESPERIDIN (CDXP-21-00315)



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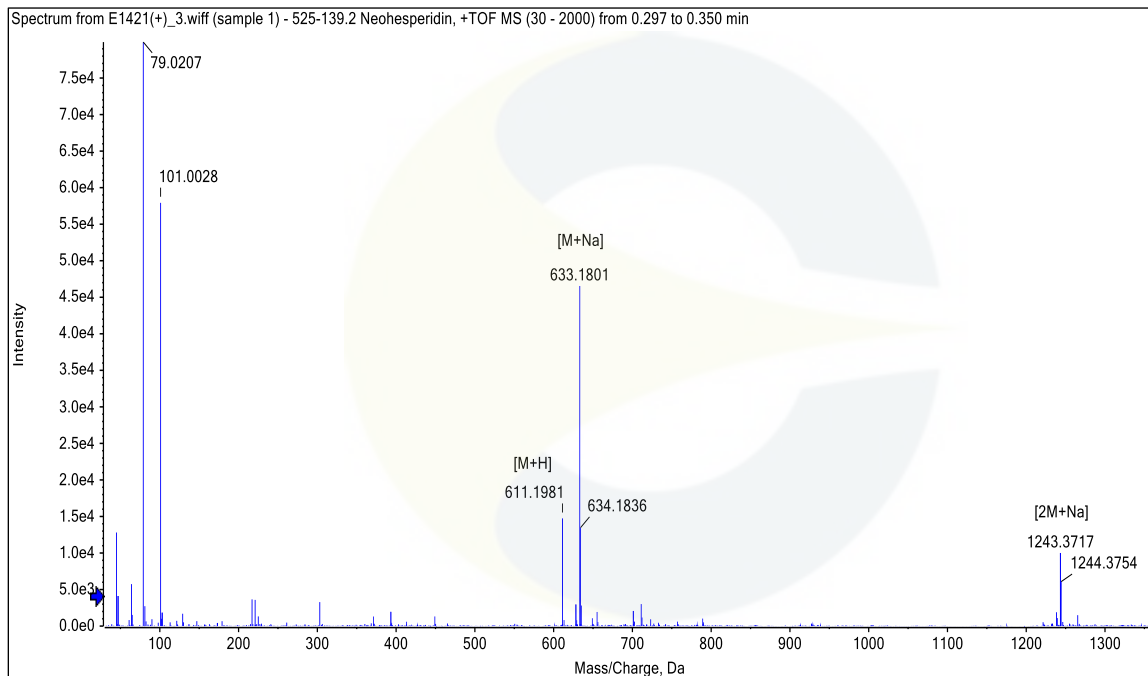
India Contact:
 Life Technologies (India) Pvt. Ltd.
 306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi - 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

Certificate of Analysis
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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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