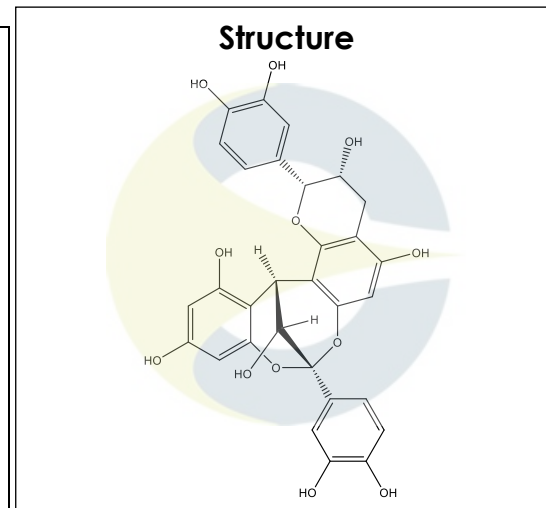


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PRODUCT NAME	Procyanidin A2
PART NUMBER	00016228
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00016228-306
REPORT NUMBER	CDXA-RSS-7818-01
SAMPLE NUMBER	CDXP-17-00273
DATE OF SAMPLE	12/20/2017
DATE OF RE-EVALUATION	11/17/2021 (1 st)
DATE OF REPORT	12/10/2021



CHEMICAL NAMES	(2R,3R,8S,14R,15R)-2,8-Bis(3,4-dihydroxyphenyl)-3,4-dihydro-8,14-methano-2H,14H-1-benzopyrano(7,8-d)(1,3)benzodioxocin-3,5,11,13,15-pentol; Proanthocyanidin A ₂
CHEMICAL FORMULA	C ₃₀ H ₂₄ O ₁₂
MOLECULAR WEIGHT (MW)	576.50
CHEMICAL FAMILY	Anthocyanidins
CAS NUMBER	[41743-41-3]
EC#(EINECS)	NA
RTECS	PB9093100

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	≥ 75%	99.3%
Mass Spectrum	99.1-04-3.0-000126	Conforms	Conforms
Appearance	NA	NA	Light tan powder

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	11/2026 under the above conditions.

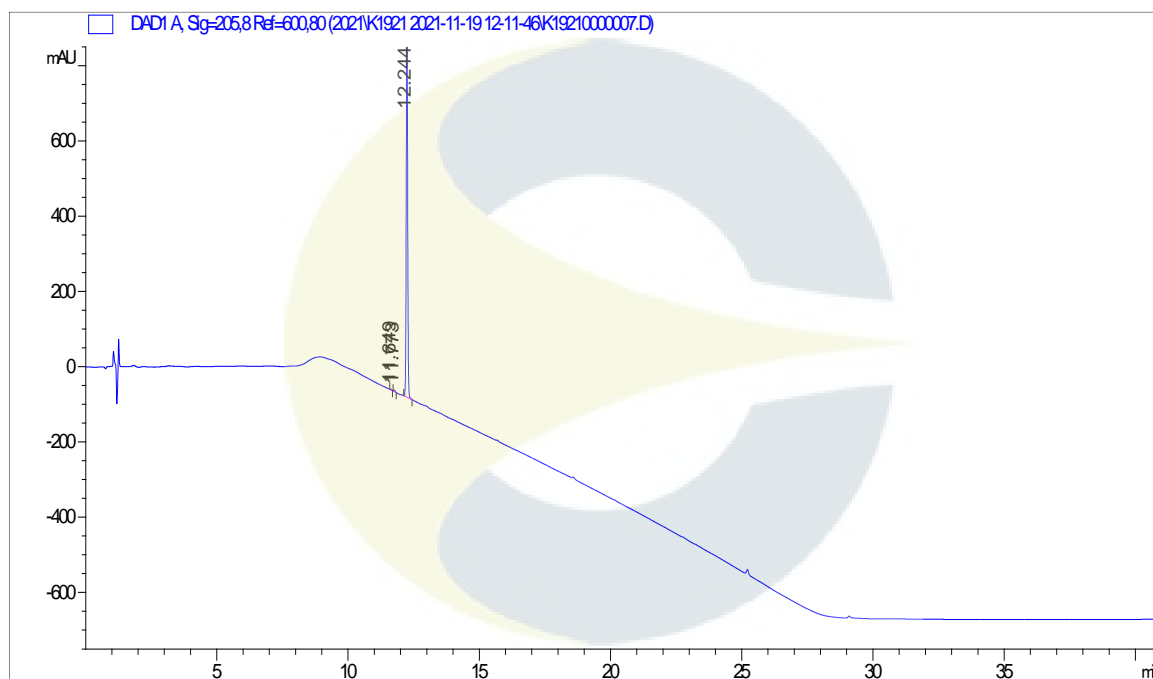
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ANALYTICAL CONDITIONS

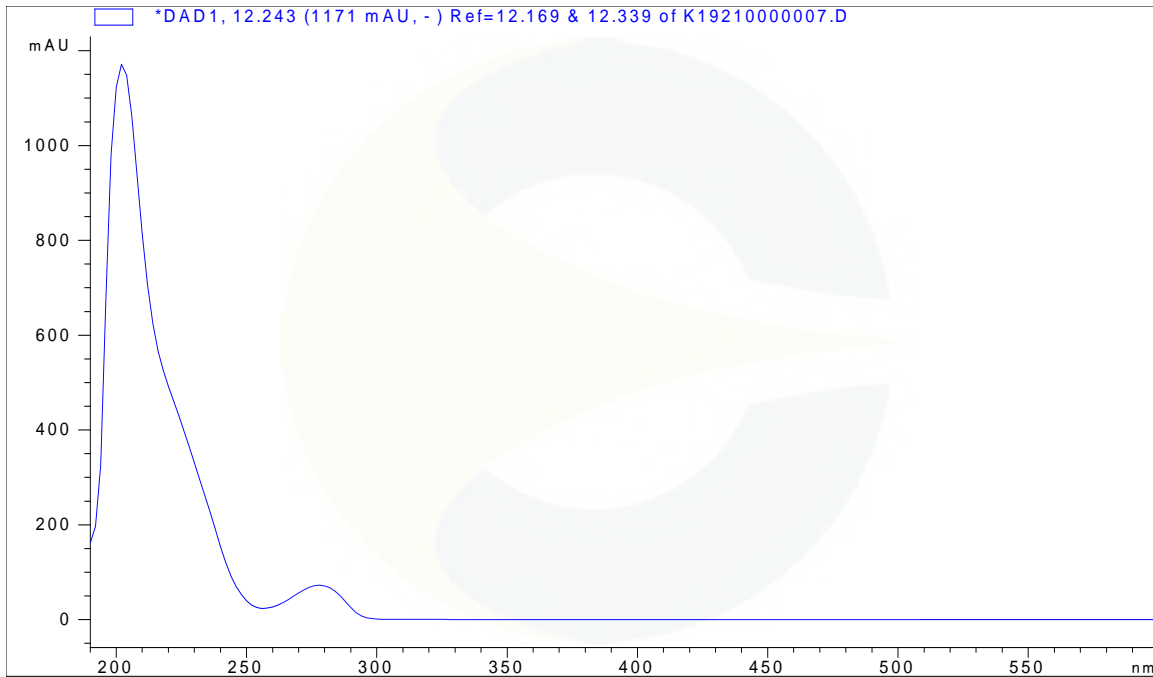
INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.1 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	205 ± 4 nm

HPLC CHROMATOGRAM OF PROCYANIDIN A2 (CDXP-17-00273)


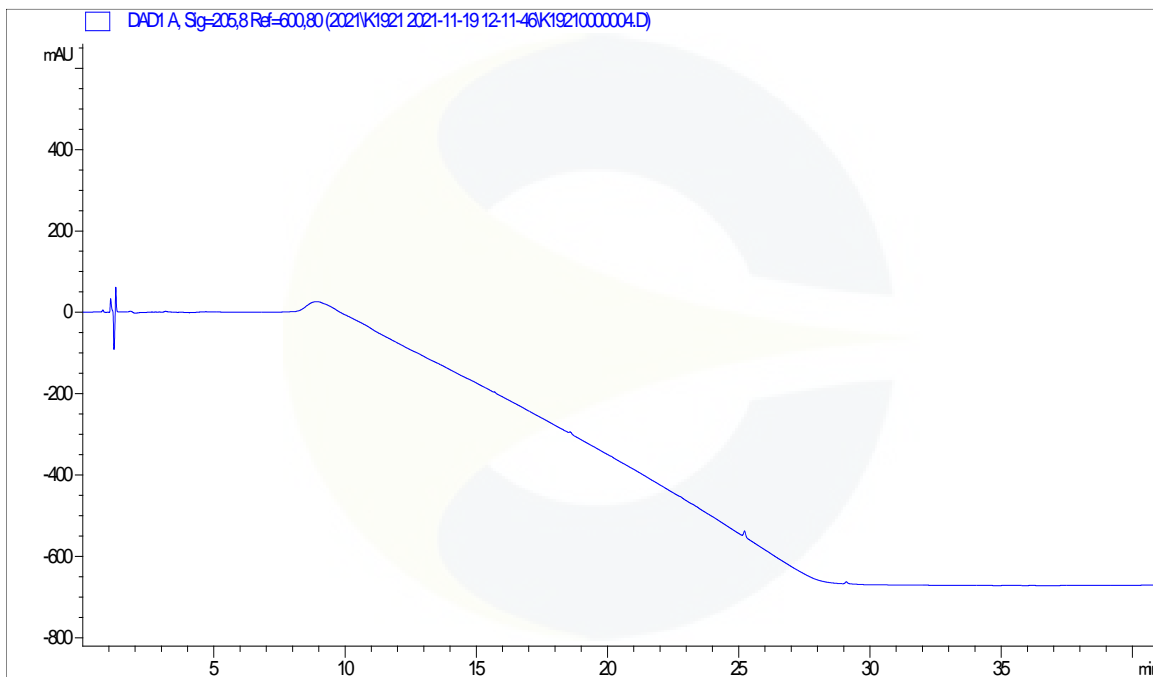
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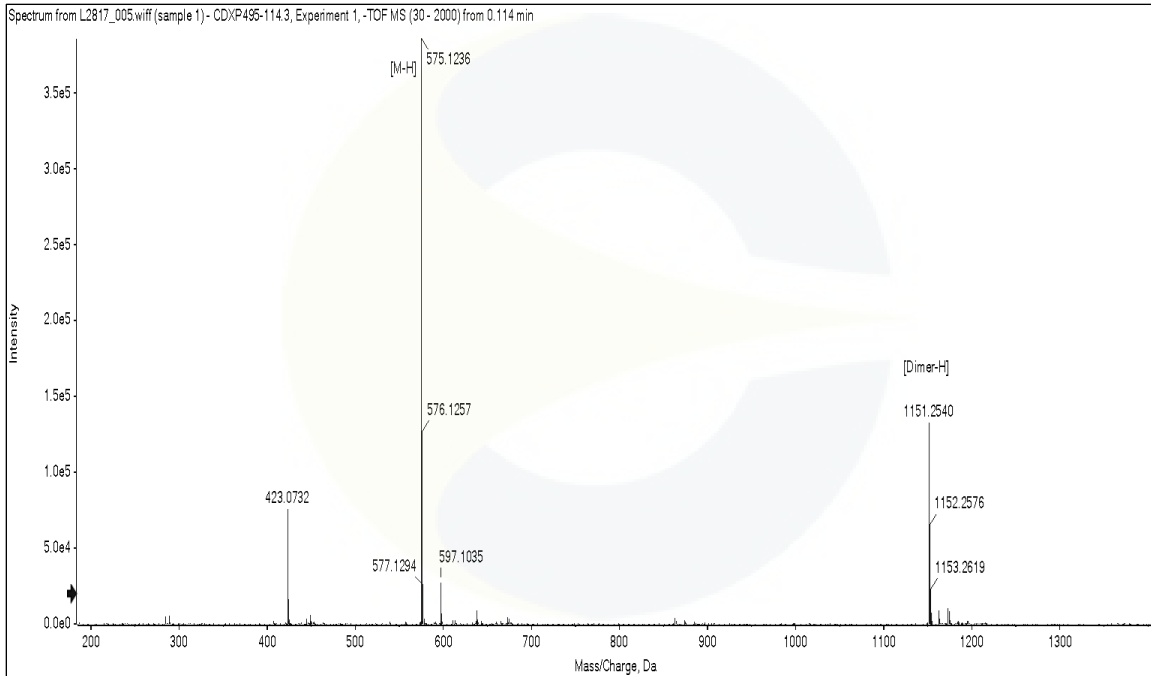
UV SPECTRUM AT RT = 12.2 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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MASS SPECTRUM OF PROCYANIDIN A2 (CDXP-17-00273)

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	02/01/2018	New report
01	12/10/2021	Passed re-evaluation by HPLC. Updated results, chromatograms, analytical conditions, and expiration date. Added RTECS.

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