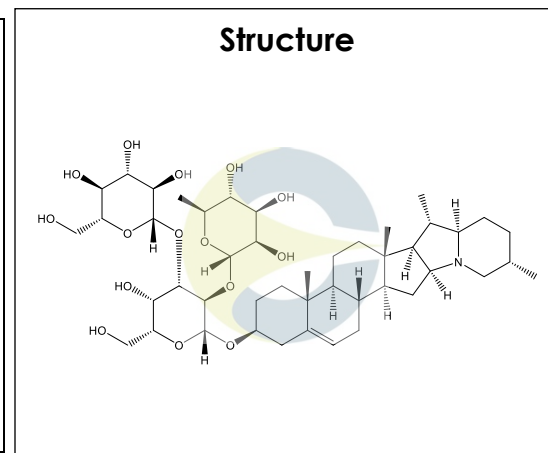


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PRODUCT NAME	alpha-Solanine
PART NUMBER	00019316
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00019316-815
REPORT NUMBER	CDXA-RSS-8802-00
SAMPLE NUMBER	CDXP-20-00076
DATE OF SAMPLE	02/12/2020
DATE OF REPORT	02/21/2020



CHEMICAL NAMES	(3β)-Solanid-5-en-3-yl O-6-deoxy-α-L-mannopyranosyl-(1→2)-O-[β-D-glucopyranosyl-(1→3)]- β-D-galactopyranoside; α-Solanin
CHEMICAL FORMULA	C ₄₅ H ₇₃ NO ₁₅
MOLECULAR WEIGHT (MW)	868.06
CHEMICAL FAMILY	Alkaloids
CAS NUMBER	[20562-02-1]
EC#(EINECS)	243-879-8
RTECS	WF0250000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	NA	93.2%
Mass Spectrum	0.700.12.27	Conforms	Conforms
Appearance	NA	NA	White powder

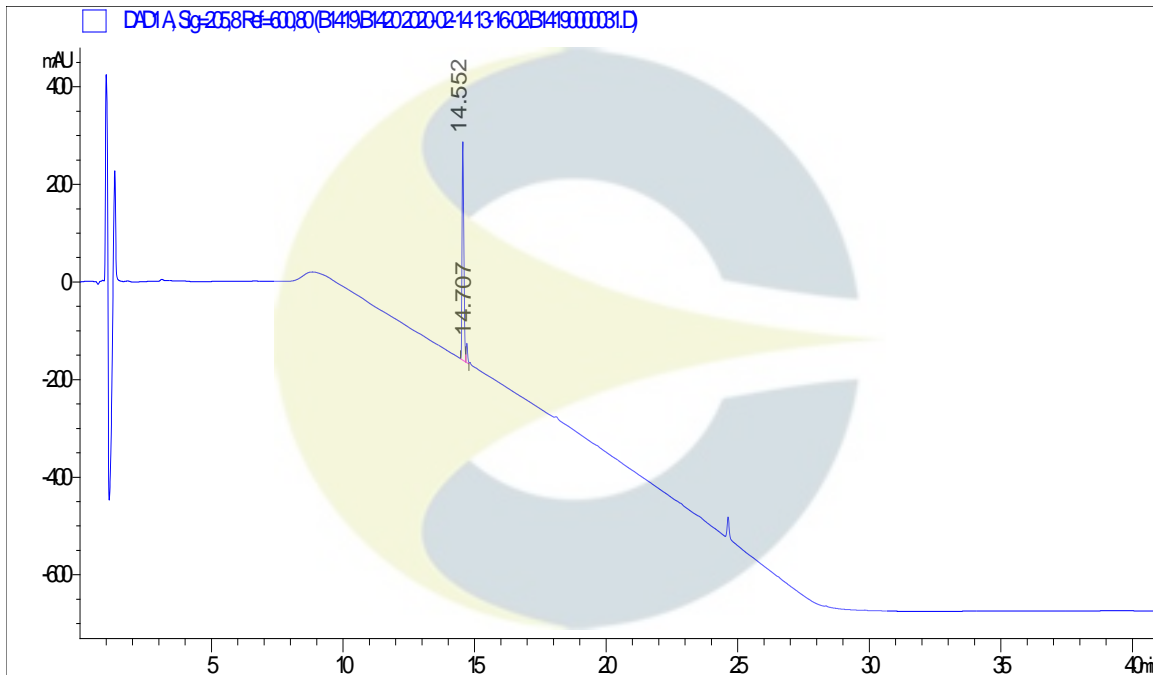
STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	02/2025 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.	4.0 µL
INJECTION CONC.	0.95 mg/mL in Methanol
DETECTION	205 ± 4 nm

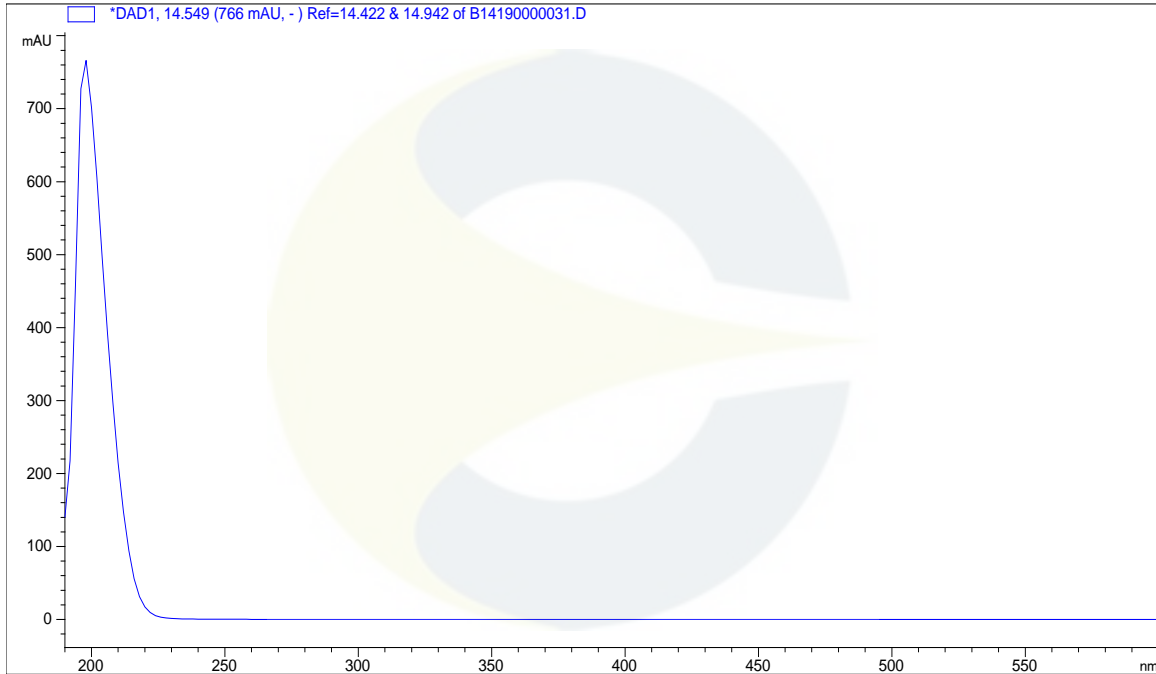
HPLC CHROMATOGRAM OF ALPHA-SOLANINE (CDXP-20-00076)


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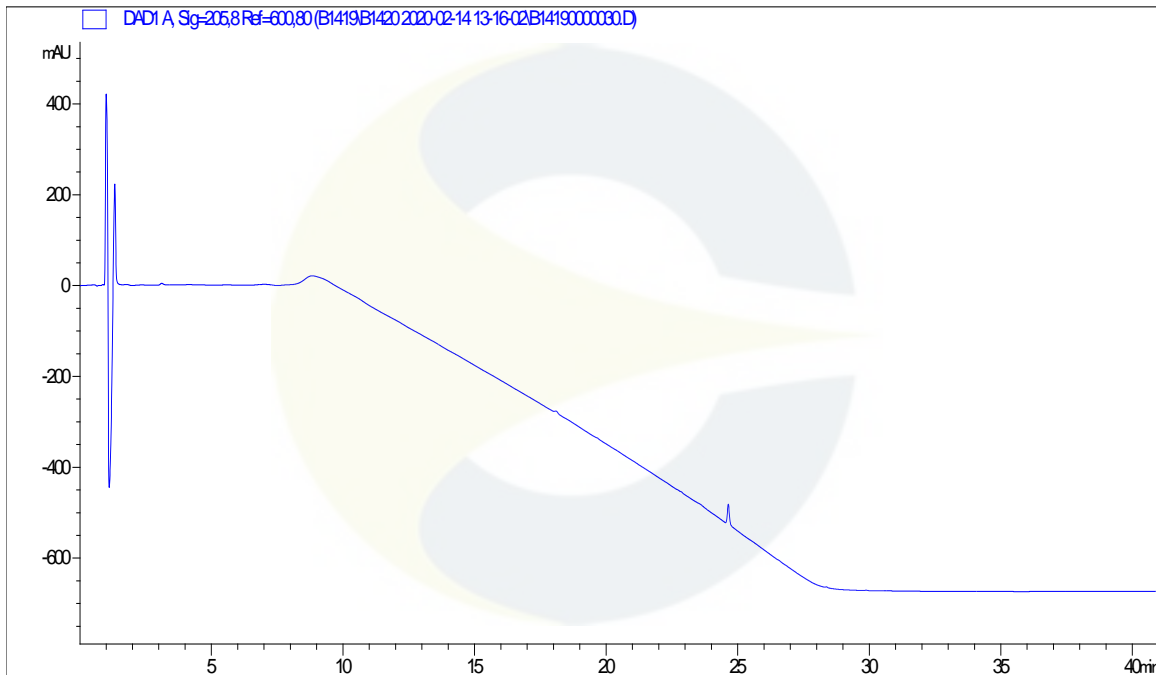
Certificate of Analysis

For Laboratory Use Only

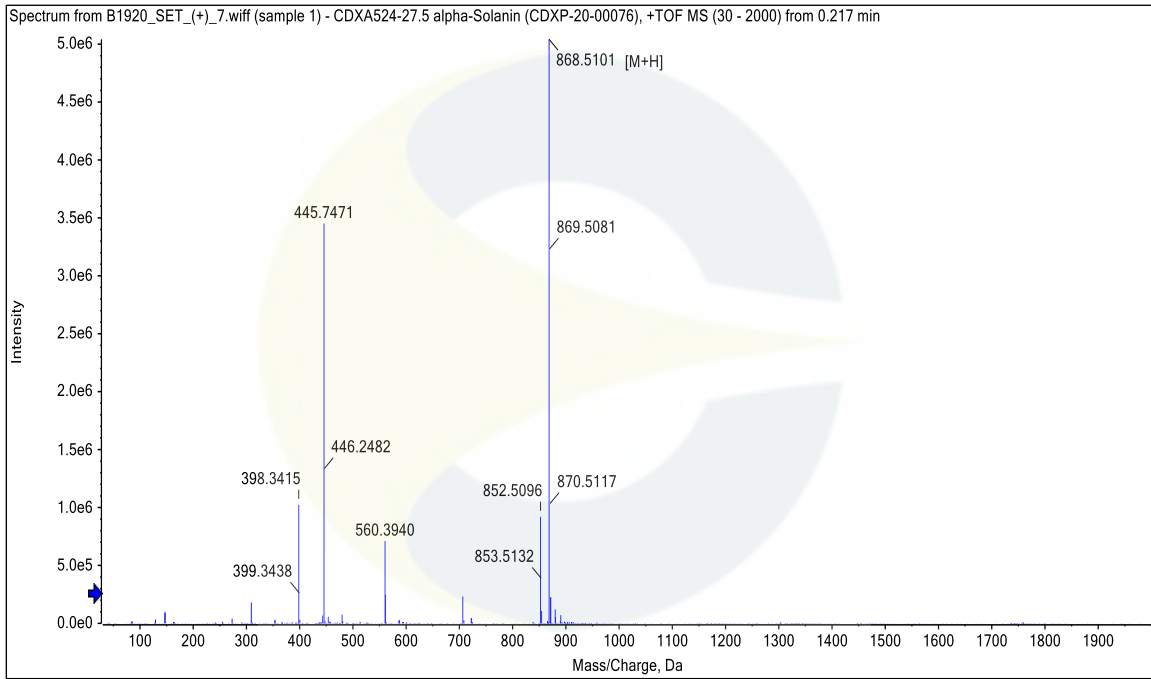
UV SPECTRUM AT RT = 14.5 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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MASS SPECTRUM OF ALPHA-SOLANINE (CDXP-20-00076)

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	02/21/2020	New report

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