CONFIDENTIAL

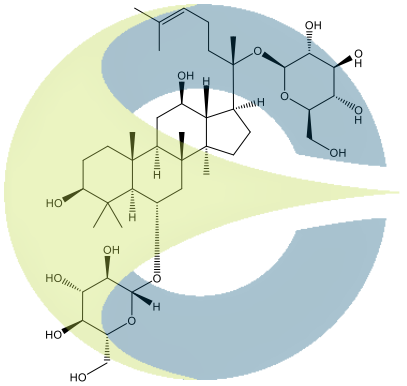
SPECIMEN

Certificate of Analysis

For Laboratory Use Only

PRODUCT NAME	Ginsenoside Rg1
PART NUMBER	00007221
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00007221-120
REPORT NUMBER	CDXA-RSS-8890-00
DATE OF SAMPLE	03/24/2020
DATE OF REPORT	08/01/2022

Structure



CHEMICAL NAMES	(3β,6α,12β)-3,12-Dihydroxydammar-24-ene-6,20-diyl-bis-β-D-glucopyranoside; Ginsenoside A_2; Panaxoside A; Panaxoside Rg1; Sanchinoside C_1
CHEMICAL FORMULA	$C_{42}H_{72}O_{14}$
MOLECULAR WEIGHT (MW)	801.01
CHEMICAL FAMILY	Saponins
CAS NUMBER	[22427-39-0]
EC#(EINECS)	244-989-9
RTECS	LY9537200

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	See below	≥ 75%	97.2%
Mass Spectrum	0.700.12.27	Conforms	Conforms
Appearance	NA	NA	White powder

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	03/2025 under the above conditions.

Rob Reynolds
Quality Assurance Specialist

Rob Reynolds
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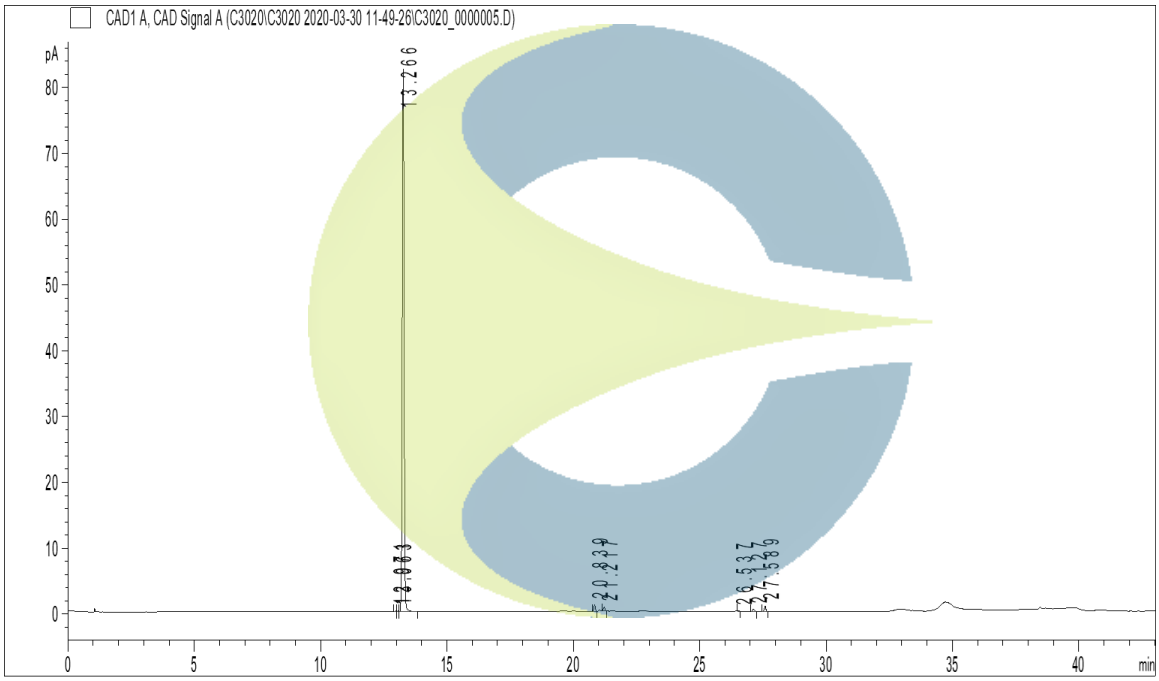
ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD) CONNECTED TO DIONEX CORONA VEO CHARGED AEROSOL DETECTOR (CAD); AB–SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Kinetex C18(2) 150 x 4.60 mm, 2.6 µm particle size
MOBILE PHASE	A - Ultrapure water, B - Acetonitrile; 15% B increasing to 30% B over 15 minutes, increase to 32% B over 1 minute, increase to 38% B over 3 minutes, increase to 43% B over 5 minutes, increase to 55% B over 3 minutes, increase to 65% B over 4 minutes, increase to 70% B over 4 minutes, then increase to 90% B over 3 minutes. Return to 15% B over 1 minute and hold for 4 minutes.
COLUMN TEMP.	40 °C
FLOW RATE	1.2 mL/minute
INJECTION VOL.	5.0 µL
INJECTION CONC.	1.2 mg/mL in Methanol
DETECTION	CAD

HPLC CHROMATOGRAM OF GINSENOSIDE RG1



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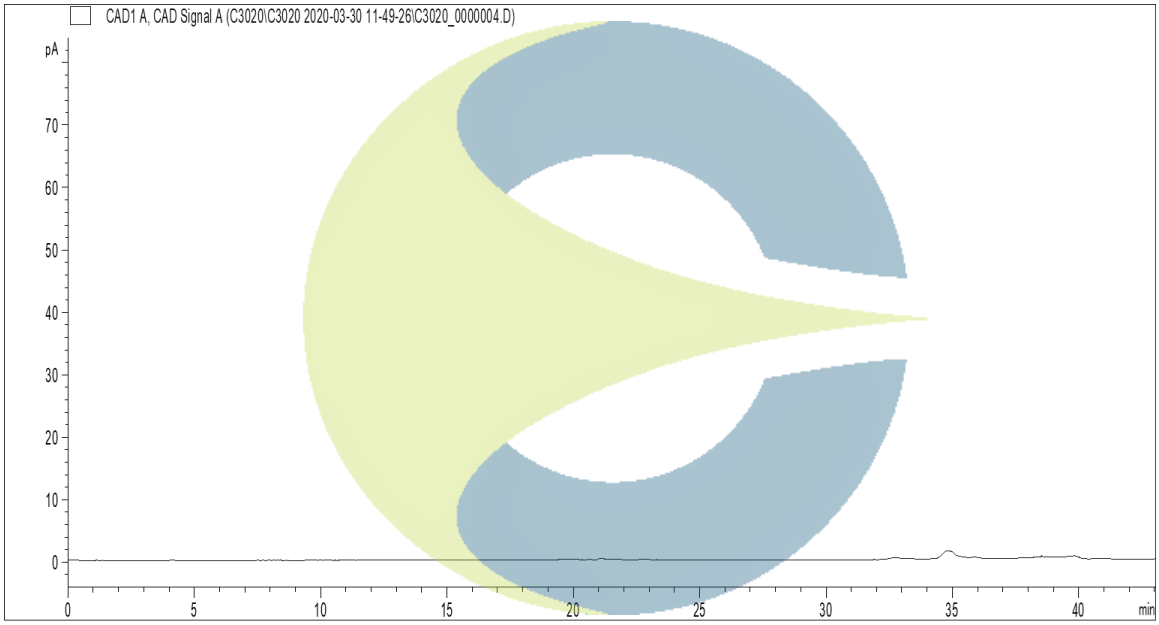
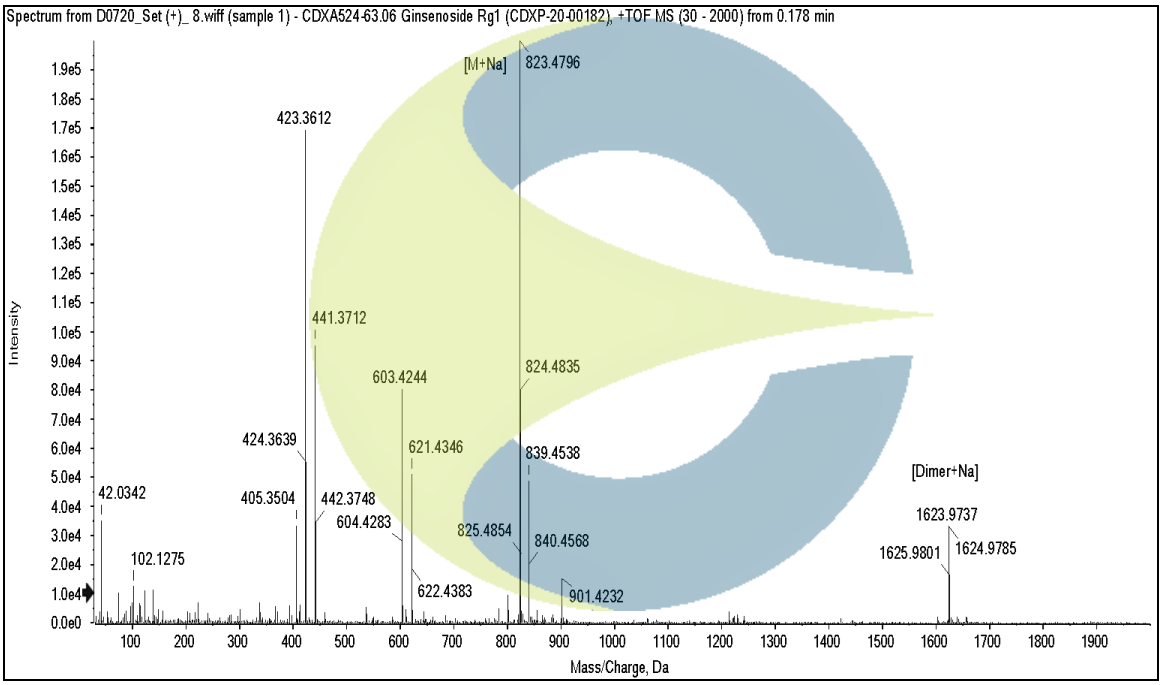
HPLC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF GINSENOSIDE RG1



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REVISION HISTORY

Revision History	Date of Revision	Document/Changes
00	08/01/2022	New report

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