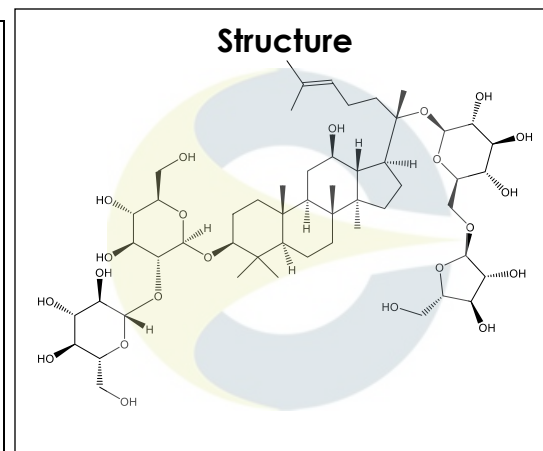


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PRODUCT NAME	Ginsenoside Rc
PART NUMBER	00007200
STANDARD TYPE	Primary (P)
LOT NUMBER	00007200-01A
REPORT NUMBER	CDXA-RSS-9460-00
SAMPLE NUMBER	CDXP-21-00556
DATE OF SAMPLE	08/10/2021
DATE OF REPORT	08/27/2021



CHEMICAL NAMES	(3β,12β)-20-((6-O-α-L-arabinofuranosyl-β-D-glucopyranosyl)oxy)-12-hydroxydammar-24-en-3-yl 2-O-β-D-glucopyranosyl-β-D-glucopyranoside; Panaxoside Rc
CHEMICAL FORMULA	C ₅₃ H ₉₀ O ₂₂
MOLECULAR WEIGHT (MW)	1079.27
CHEMICAL FAMILY	Saponins
CAS NUMBER	[11021-14-0]
EC#(EINECS)	234-253-5
RTECS	LY9536300

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	86.4%
HPLC	0.700.10.2.METH102	≥ 90%	90.2%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	MeOH – 9800 ppm Acetone – 835 ppm
Water	0.700.12.37	NA	3.1%
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 86.4% IS BASED ON (100 - 1.1 SOLVENTS - 3.1 WATER) X 90.2% HPLC

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	08/2026 under the above conditions.

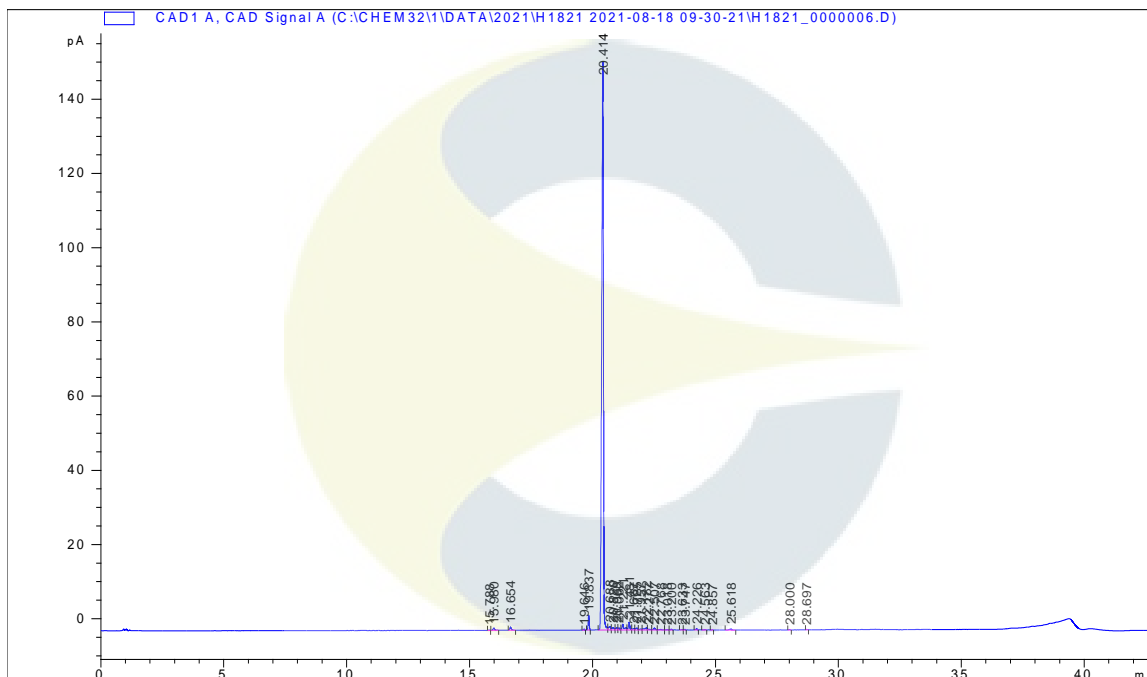
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ANALYTICAL CONDITIONS

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 150 x 4.6 mm, 2.6 µm particle size
MOBILE PHASE	A - Ultrapure water, B - Acetonitrile 15% B increasing to 30% B over 15 minutes, then increasing to 32% B over 1 minute, then increasing to 38% B over 3 minutes, then increasing to 43% B over 5 minutes, then increasing to 55% B over 3 minutes, then increasing to 65% B over 4 minutes, then increasing to 70% B over 4 minutes, then increasing to 90% B over 3 minutes. Re-equilibrate to 15% B over 1 minute and hold at 15% B for 4 minutes.
COLUMN TEMP.	40 °C
FLOW RATE	1.5 mL/minute
INJECTION VOL.	10.0 µL
INJECTION CONC.	1.3 mg/mL in Methanol
DETECTION	CAD

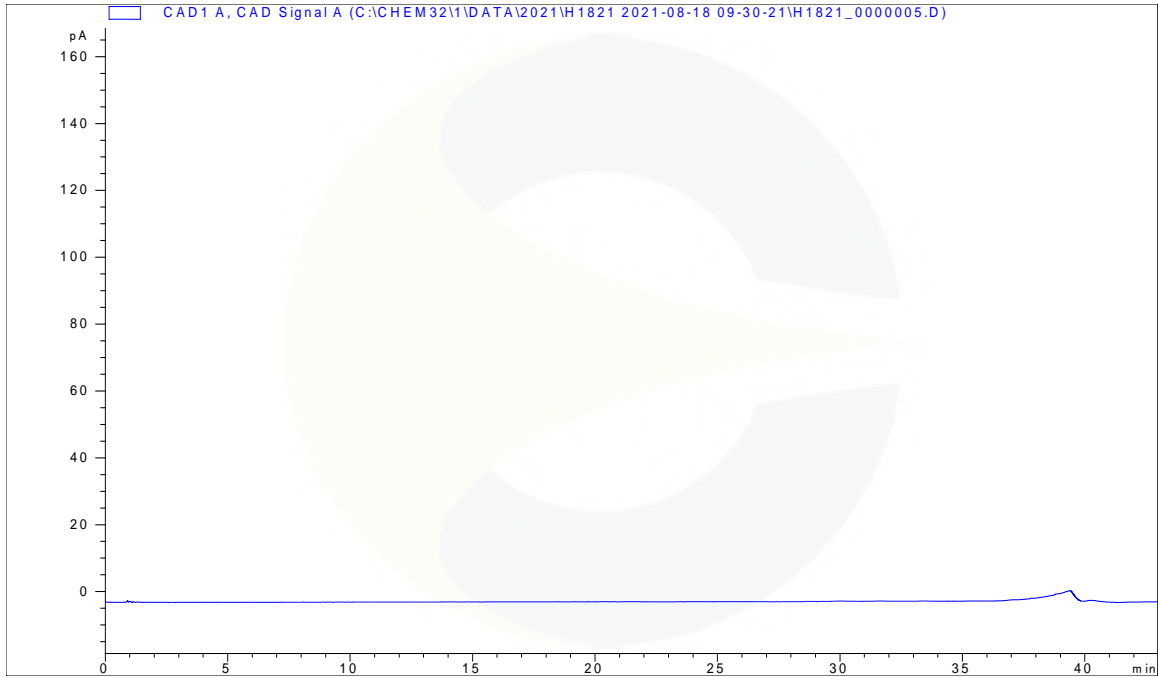
HPLC CHROMATOGRAM OF GINSENOSE RC (CDXP-21-00556)



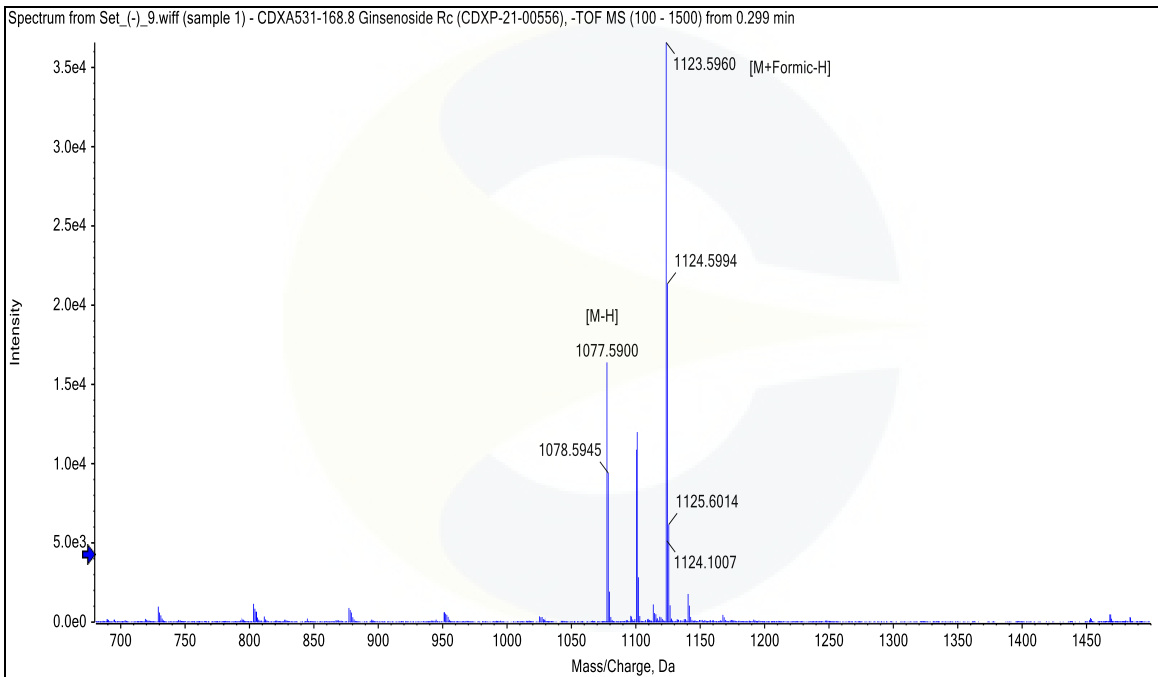
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HPLC CHROMATOGRAM OF DILUENT BLANK



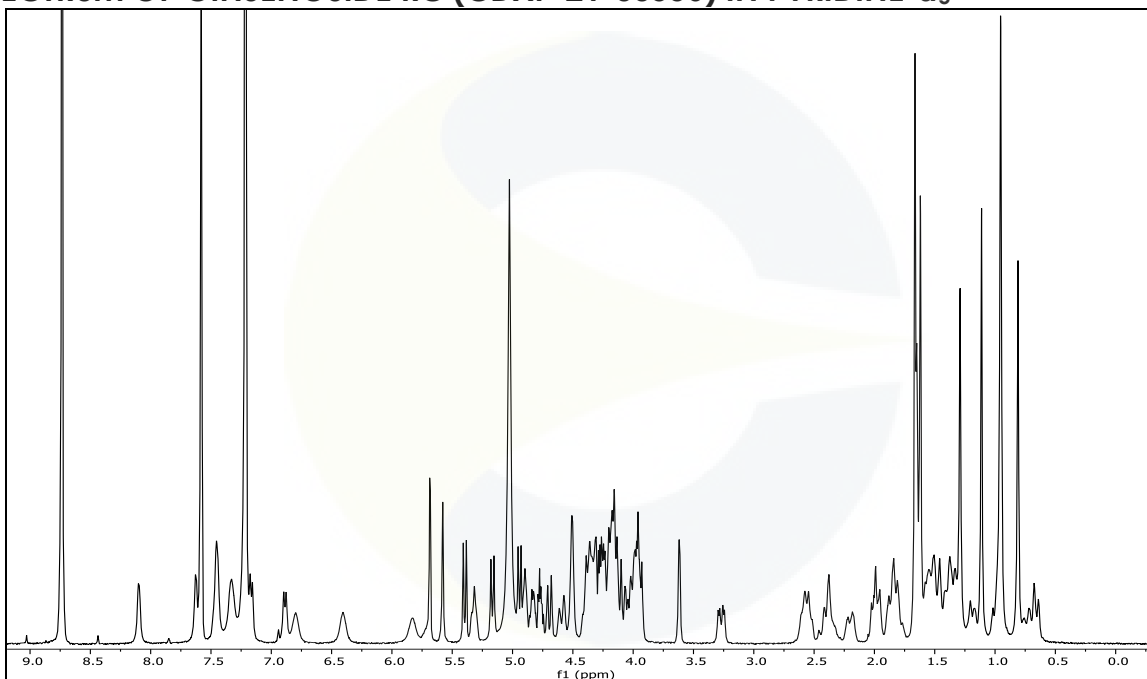
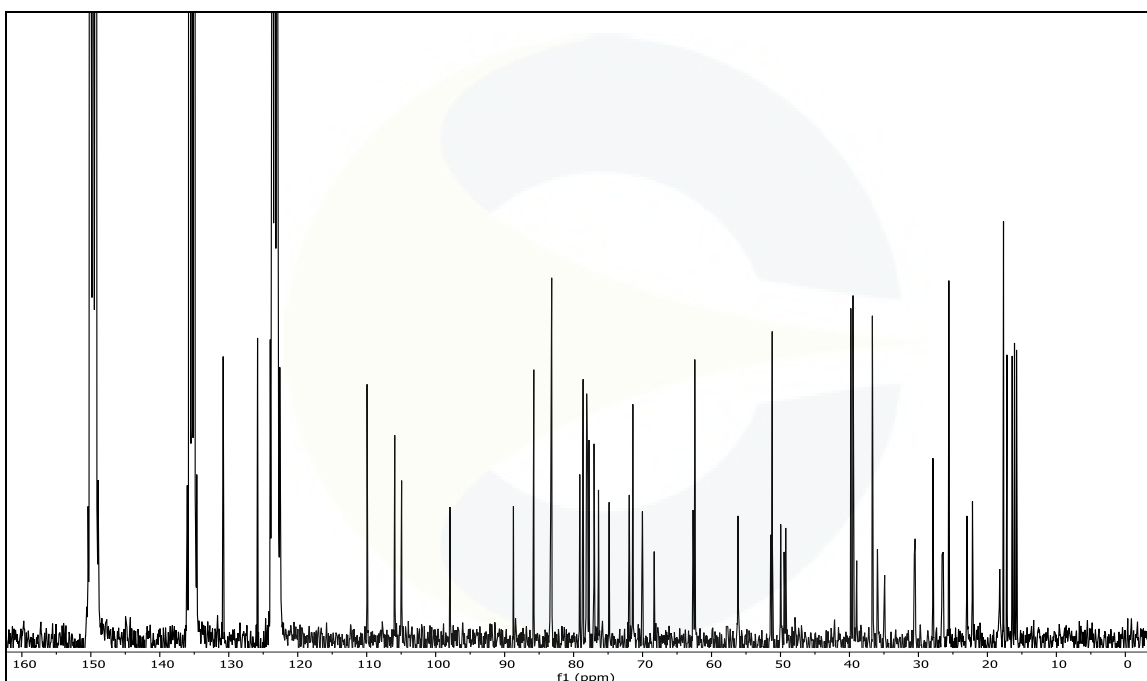
MASS SPECTRUM OF GINSENSIDE RC (CDXP-21-00556)



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10900 Wilshire Blvd., Suite 600, Los Angeles, CA 90024 | T: +1 949-419-0288 | F: +1 949-419-0294 | www.chromadex.com
Laboratory address: 1751 S. Fordham St., Suite 350, Longmont, CO 80503

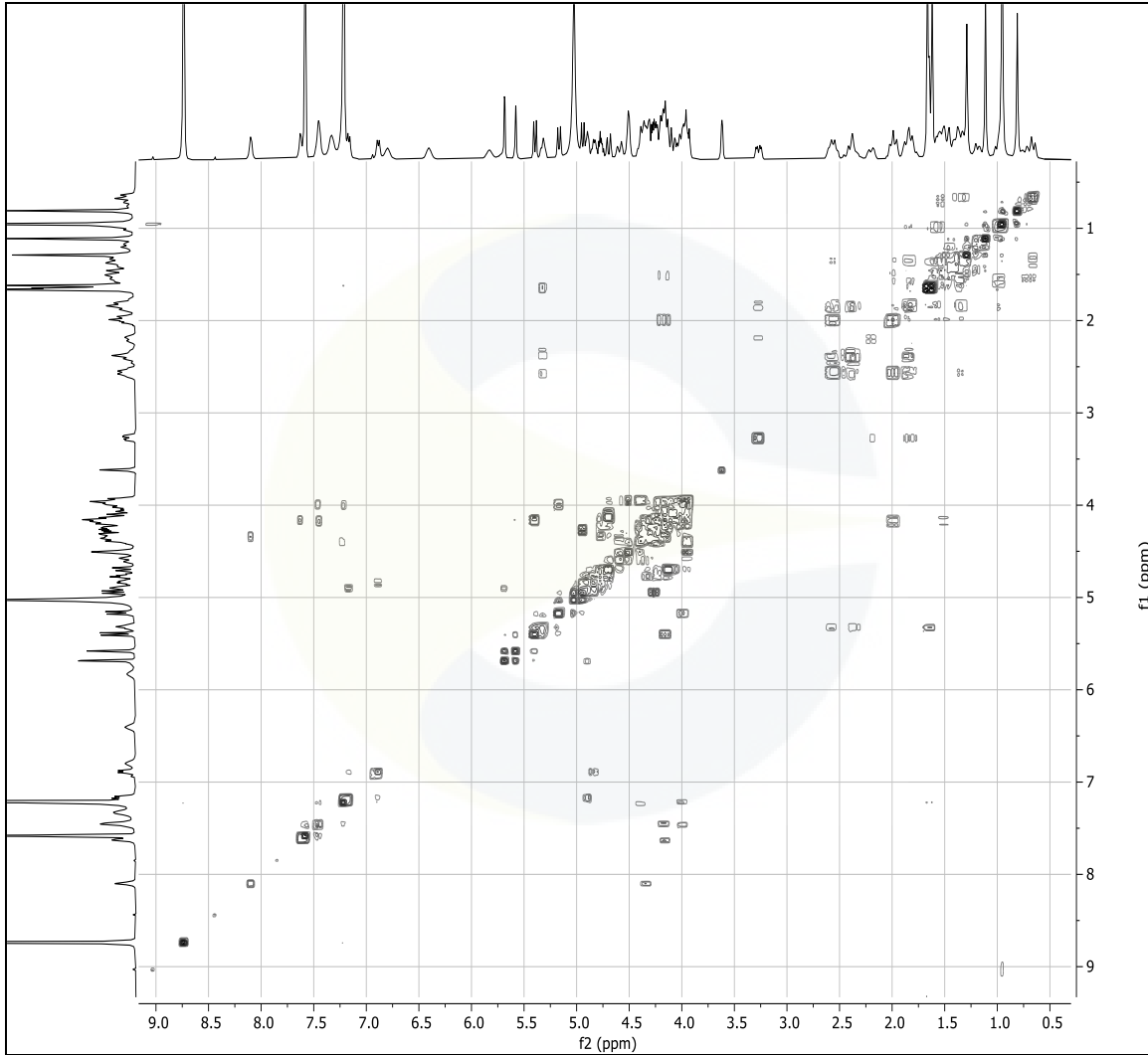
India Contact:
Life Technologies (India) Pvt. Ltd.
306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

¹H-NMR SPECTRUM OF GINSENOSE RC (CDXP-21-00556) IN PYRIDINE-d₅

¹³C-NMR SPECTRUM GINSENOSE RC (CDXP-21-00556) IN PYRIDINE-d₅


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 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

COSY-NMR SPECTRUM OF GINSENOSE RC (CDXP-21-00556) IN PYRIDINE-*d*₅

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	08/27/2021	New report

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