



SPECIMEN

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PRODUCT NAME	Ginsenoside Re	Structure	
PART NUMBER	00007210	Home	
STANDARD TYPE	Primary (P)	PH	
LOT NUMBER	00007210-0201	H	
REPORT NUMBER	CDXA-RSS-8957-00	THE TRANSPORT	
SAMPLE NUMBER	CDXP-20-00298	HO OH	
DATE OF SAMPLE	04/29/2020	OF CONTRACTOR	
DATE OF REPORT	06/04/2020	он он тон	
CHEMICAL NAMES	(3β,6α,12β)-20-(β-D-glucopyranosyloxy)-3,12-dihydroxydammar-24-en-6-yl-2-O- (6-deoxy-α-L-mannopyranosyl)-β-D-glucopyranoside; Panaxoside Re; Sanchinoside Re; Chikusetsusaponin IVc; Ginsenoside B2		
CHEMICAL FORMULA	C48H82O18		
MOLECULAR WEIGHT (MW)	947.15		
CHEMICAL FAMILY	Saponins		
CAS NUMBER	[52286-59-6]		
EC#(EINECS)	257-814-6		
RTECS	LY9536700		

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	89.8%
HPLC	0.700.10.2.METH102	NA	96.0%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	EtOH – 0.1%
Water	0.700.12.37	NA	6.4%
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory. ADJUSTED PURITY: 89.8% IS BASED ON (100 - 0.1 SOLVENTS - 6.4 WATER) X 96.0% HPLC

STORAGE CONDITIONS

STORAGE Room Temperature in a dry place.

04/2025 under the above conditions. **EXPIRATION DATE**

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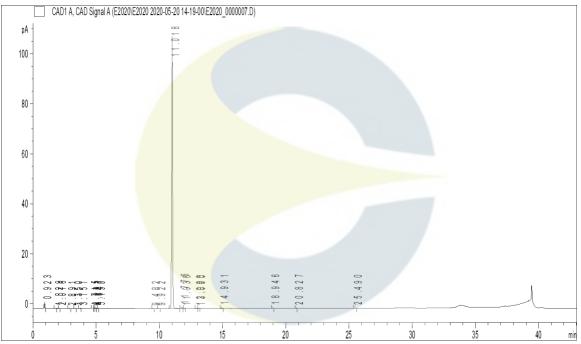
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ANALYTICAL CONDITIONS

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 4.60 mm, 2.6 µm particle size
MOBILE PHASE	A - Milli-Q water, B - Acetonitrile; Start at 15% B, increase to 30% B over 15 minutes, increase to 32% B over one 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 and increase to 90% B over 3 minutes. Then decrease to 15% B over one minute and hold for 4 minutes.
COLUMN TEMP.	40 °C
FLOW RATE	1.5 mL/minute
INJECTION VOL.	10 μL
INJECTION CONC.	1.1 mg/mL in Methanol
DETECTION	CAD

HPLC CHROMATOGRAM OF GINSENOSIDE RE (CDXP-20-00298)



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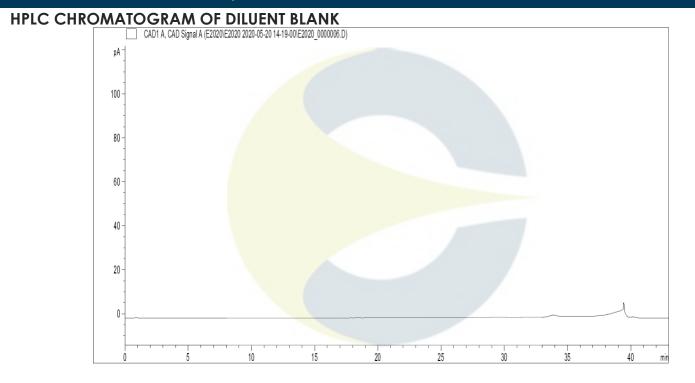




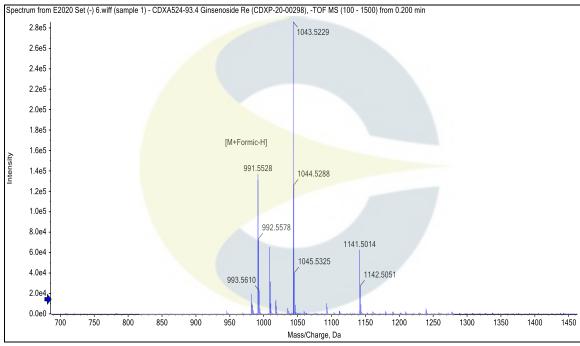
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MASS SPECTRUM OF GINSENOSIDE RE (CDXP-20-00298)



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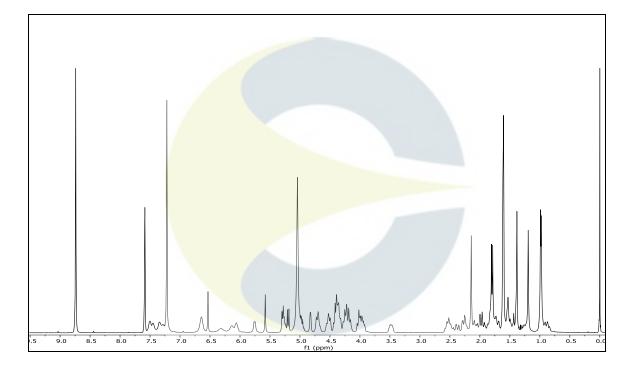
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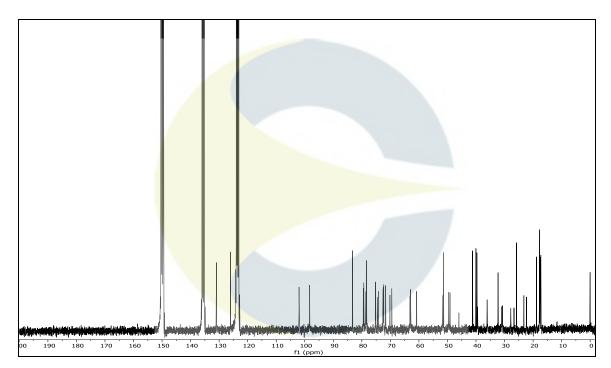
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1H-NMR SPECTRUM OF GINSENOSIDE RE (CDXP-20-00298) IN PYRIDINE - d5 + TMS



13C-NMR SPECTRUM GINSENOSIDE RE (CDXP-20-00298) IN PYRIDINE – d5 + TMS



COSY-NMR SPECTRUM OF GINSENOSIDE RE (CDXP-20-00298) IN PYRIDINE – d_5 + TMS

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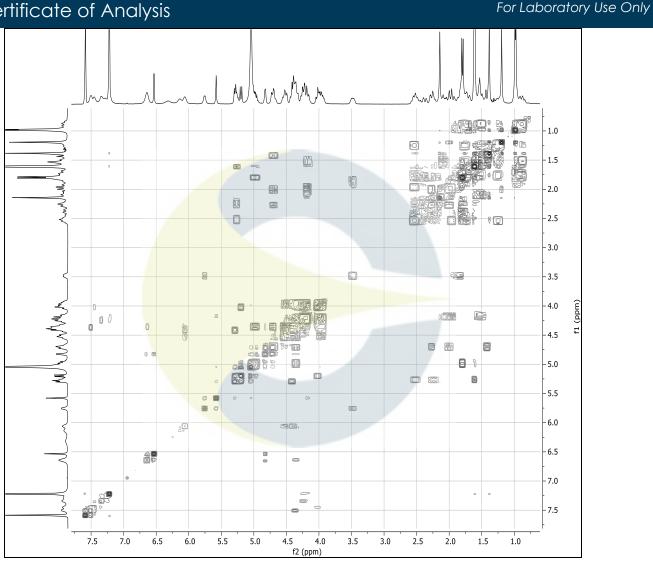
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REVISION HISTORY

<u>Revision History</u>	Date of Revision	Document/Changes
00	06/04/2020	New report

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