





# Certificate of Analysis

## For Laboratory Use Only

**PRODUCT NAME** Ginsenoside Rc

**PART NUMBER** 00007201

**STANDARD TYPE** Analytical Standard (AS)

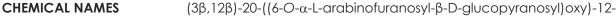
**LOT NUMBER** 00007201-604

REPORT NUMBER CDXA-RSS-9058-00

SAMPLE NUMBER CDXP-20-00432

**DATE OF SAMPLE** 06/17/2020

**DATE OF REPORT** 03/01/2021



hydroxydammar-24-en-3-yl 2-O-β-D-glucopyranosyl-β-D-glucopyranoside;

Panaxoside Rc

CHEMICAL FORMULA C53H90O22

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
HPLC	0.700.10.2.METH102	≥ 75%	96.7%
Mass Spectrum	0.700.12.27	Conforms	Conforms
Appearance	NA	NA	White powder

### STORAGE CONDITIONS

**STORAGE** +4 °C in a dry place.

**EXPIRATION DATE** 06/2025 under the above conditions.

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Structure







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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

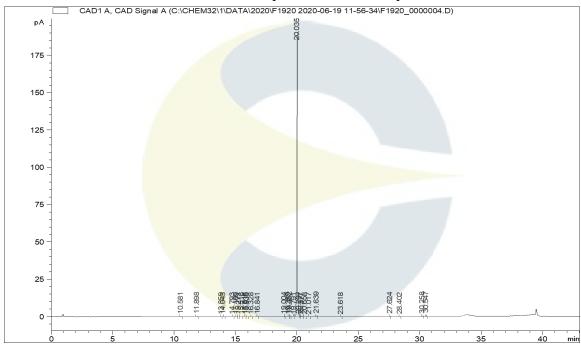
**FLOW RATE** 1.5 mL/minute

**INJECTION VOL.** 10.0 μL

**INJECTION CONC.** 1.3 mg/mL in Methanol

**DETECTION** CAD

# HPLC CHROMATOGRAM OF GINSENOSIDE RC (CDXP-20-00432)



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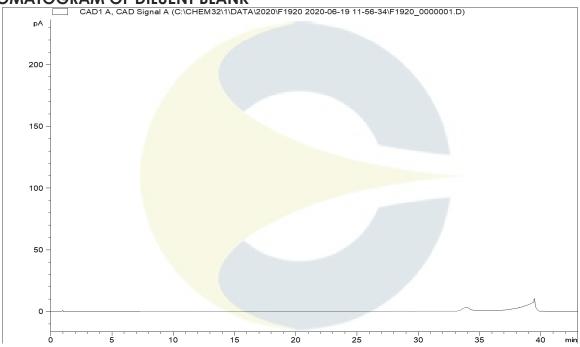




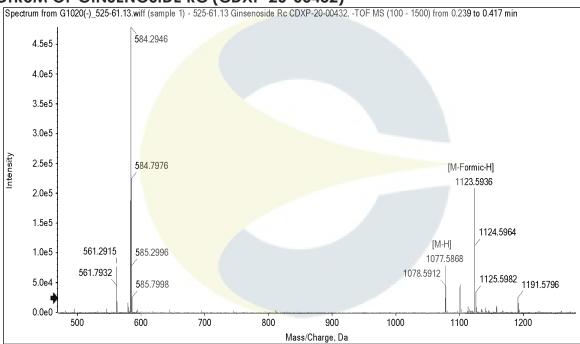
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### HPLC CHROMATOGRAM OF DILUENT BLANK



# MASS SPECTRUM OF GINSENOSIDE RC (CDXP-20-00432)



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# **REVISION HISTORY**

Revision History <u>Date of Revision</u> <u>Document/Changes</u>

00 03/01/2021 New report

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