





Certificate of Analysis

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PRODUCT NAME Ginsenoside Rd

PART NUMBER 00007206

STANDARD TYPE Analytical Standard (AS)

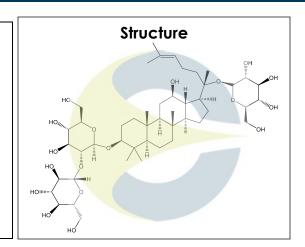
LOT NUMBER 00007206-014

REPORT NUMBER CDXA-RSS-9725-00

SAMPLE NUMBER CDXP-22-00211

DATE OF SAMPLE 03/11/2022

DATE OF REPORT 04/14/2022



CHEMICAL NAMES (3β,12β)-20-(β-D-Glucopyranosyloxy)-12-hydroxydammar-24-en-3-yl 2-O-β-D-

glucopyranosyl-\beta-D-glucopyranoside; Gypenoside VIII; Chikusetsusaponin FK7

CHEMICAL FORMULA C₄₈H₈₂O₁₈

MOLECULAR WEIGHT (MW) 947.15

CHEMICAL FAMILY Saponins

CAS NUMBER [52705-93-8]

EC#(EINECS) 258-118-5

RTECS LZ5858000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH102	≥ 75%	99.2%
Mass Spectrum	0.700.12.27	Conforms	Conforms
Appearance	NA	NA	White powder

STORAGE CONDITIONS

STORAGE Room Temperature in a dry place.

EXPIRATION DATE 03/2027 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;

Start at 15% B, then increase to 30% B over 15 minutes, then increase to 32% B over 1 minute, then increase to 38% B over 3 minutes, then increase to 43% B over 5 minutes, then increase to 55% B over 3 minutes, then increase to 65% B over 4 minutes, then increase to 70% B over 4 minutes, then increase to 90% B over 3 minutes, then decrease to 15% B over 1 minute and hold at 15% B for 4

minutes.

COLUMN TEMP. 40 °C

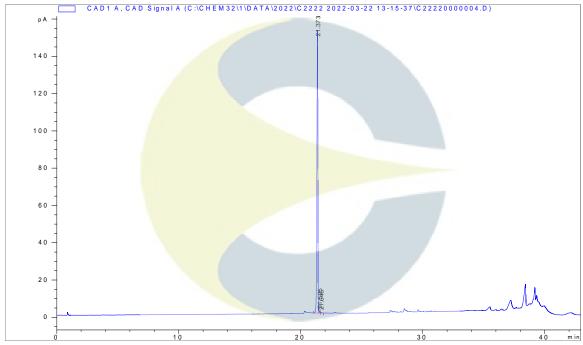
FLOW RATE 1.5 mL/minute

INJECTION VOL. 5.0 μL

INJECTION CONC. 1.2 mg/mL in Methanol

DETECTION CAD

HPLC CHROMATOGRAM OF GINSENOSIDE RD (CDXP-22-00211)



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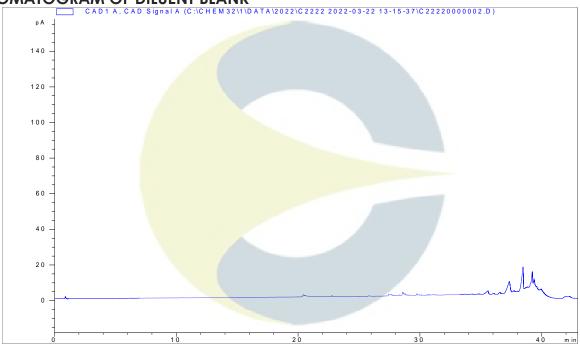




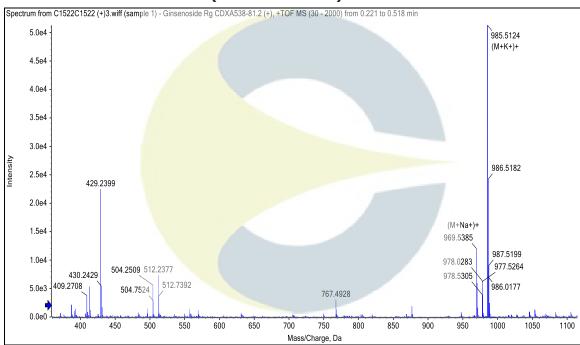
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HPLC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF GINSENOSIDE RD (CDXP-22-00211)



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REVISION HISTORY

Revision History Date of Revision Document/Changes

00 04/14/2022 New report

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