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PRODUCT NAME	Soyasapogenol A	Structure
PART NUMBER	00019335	
STANDARD TYPE	Primary (P)	ОН
LOT NUMBER	00019335-6419	
REPORT NUMBER	CDXA-RSS-5819-02	ОН
SAMPLE NUMBER	CDXA-13-6419	
DATE OF SAMPLE	09/20/2013	
DATE OF RE-EVALUATION	08/15/2018 (1st); 07/07/2022(2nd)	HO
DATE OF REPORT	07/21/2022	но

CHEMICAL NAMES

(3β,4β,21β,22β)-Olean-12-ene-3,21,22,23-tetrol

CHEMICAL FORMULA	C ₃₀ H ₅₀ O ₄
MOLECULAR WEIGHT (MW)	474.72
CHEMICAL FAMILY	Saponins
CAS NUMBER	[508-01-0]
EC#(EINECS)	NA
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT	
Adjusted Purity	NA	≥ 85%	96.1%	
HPLC	0.700.10.2.METH22	≥ 90%	99.2%	
NMR	99.1-CD-1.0-000122	Conforms to structure	Conforms to structure	
Mass Spectrum	Direct Infusion, ESI (-)	Conforms	Conforms	
Residual Solvent	99.1-CD-7.0-000115	NA	ND	
Water	Water 0.700.12.37		3.1%	
Appearance	Appearance NA		White powder	

ADJUSTED PURITY:

96.1% IS BASED ON (100 - 0.0 SOLVENTS - 3.1 WATER) X 99.2% HPLC

STORAGE CONDITIONS

STORAGE +4 °C in a dry place.

EXPIRATION DATE 07/2027 under the above conditions.

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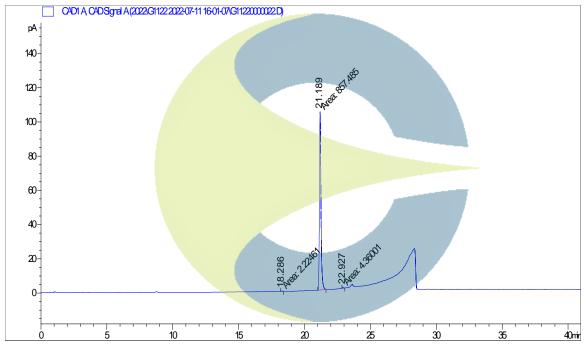
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD) CONNECTED TO DIONEX CORONA VEO CHARGED AEROSOL DETECTOR (CAD); AGILENT 6510 QTOF	
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 μ m particle size	
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes, then decreasing to 5% B over 1 minute.	
COLUMN TEMP.	0° C	
FLOW RATE	0.4 mL/minute	
INJECTION VOL.	2.0 μL	
INJECTION CONC.	1.0 mg/mL in Methanol	
DETECTION	CAD	

HPLC CHROMATOGRAM OF SOYASAPOGENOL A (CDXA-13-6419)



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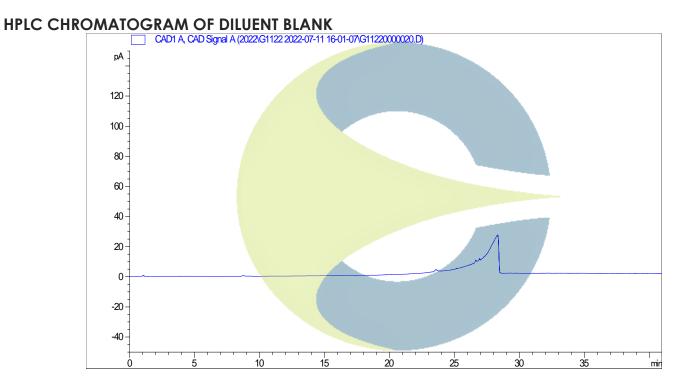




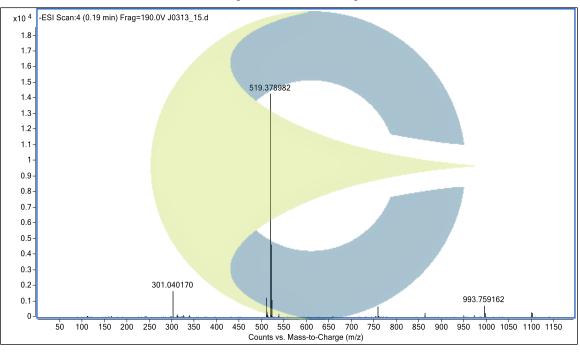
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MASS SPECTRUM OF SOYASAPOGENOL A (CDXA-13-6419)



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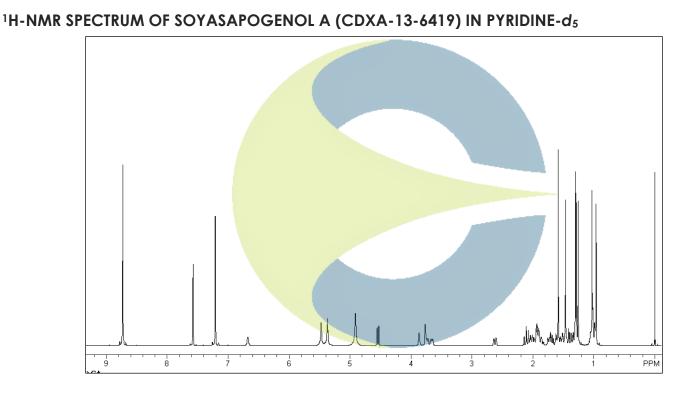




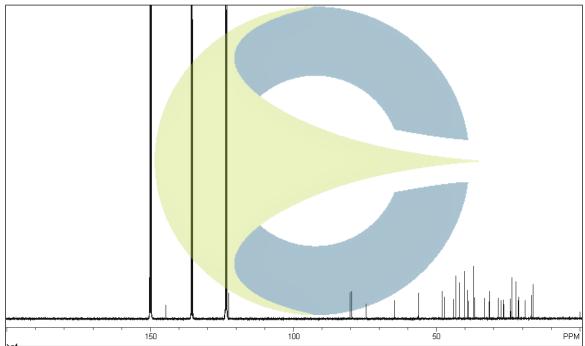
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¹³C-NMR SPECTRUM OF SOYASAPOGENOL A (CDXA-13-6419) IN PYRIDINE-d₅



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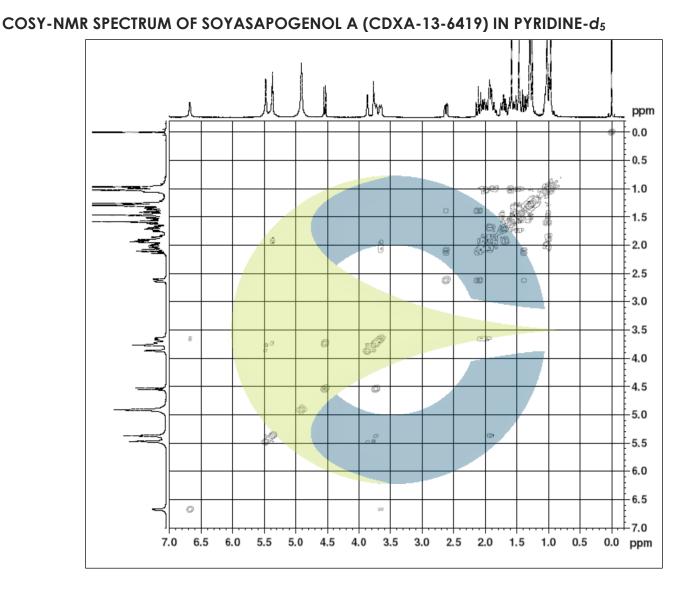




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REVISION HISTORY

<u>Revision History</u>	Date of Revision	Document/Changes
00	10/24/2013	New report
01	09/10/2018	Passed re-evaluation by HPLC, KF. Updated expiration date, chemical structure, analytical conditions, chromatograms and results. Removed melting point.
02	07/21/2022	Passed re-evaluation by HPLC, KF. Updated expiration date, chromatograms, analytical conditions, and results.

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