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PRODUCT NAME	Jujuboside A Structure		
PART NUMBER	00010525		
STANDARD TYPE	Primary (P)	рн	
LOT NUMBER	00010525-212	OH OH	
REPORT NUMBER	CDXA-RSS-7860-01		
SAMPLE NUMBER	CDXP-18-00114		
DATE OF SAMPLE	02/16/2018	HOW OH HOM HT	
DATE OF RE-EVALUATION	01/06/2022		
DATE OF REPORT	02/04/2022		
CHEMICAL NAMES	(3β,16β,23R)-16,23:16,30-diepoxy-20-hydroxydammar-24-en-3-yl O-6-deoxy-α-L- mannopyranosyl-(1→2)-O-[O-β-D-glucopyranosyl-(1→6)-O-[β-D-xylopyranosyl- (1→2)]-β-D-glucopyranosyl-(1→3)]-α-L-Arabinopyranoside		
CHEMICAL FORMULA	C ₅₈ H ₉₄ O ₂₆		
MOLECULAR WEIGHT (MW)	1207.35		
CHEMICAL FAMILY	Saponin		
CAS NUMBER	[55466-04-1]		
EC#(EINECS)	683-206-9		
	N/A		

ANALYTICAL RESULTS

TEST	TEST METHOD SPECIFICATION		RESULT
Adjusted Purity	NA	≥ 85%	89.7%
HPLC	0.700.10.2.METH22	≥ 90%	98.6%
NMR	4.5.3-CD-4.0-000338	Conforms to structure	Conforms to structure
Mass Spectrum	99.1-04-3.0-000126	Conforms	Conforms
Residual Solvent*	99.1-CD-9.0-000115	NA	EtOH < 0.1%; Acetone < 0.1%
Water	Water 0.700.12.37		9.0%
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 89.7% IS BASED ON (100 - 0.0 SOLVENTS - 9.0 WATER) X 98.6% HPLC

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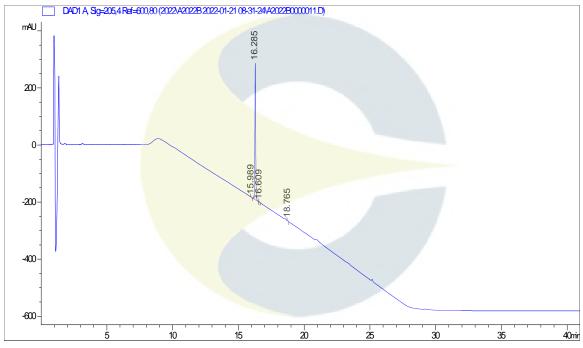
STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	01/2027 under the above conditions.

ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF	
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.	
COLUMN TEMP.	0° 00	
FLOW RATE	0.4 mL/minute	
INJECTION VOL.	4.0 μL	
INJECTION CONC.	1.0 mg/mL in Methanol	
DETECTION	205 ± 4 nm	

HPLC CHROMATOGRAM OF JUJUBOSIDE A (CDXP-18-00114)



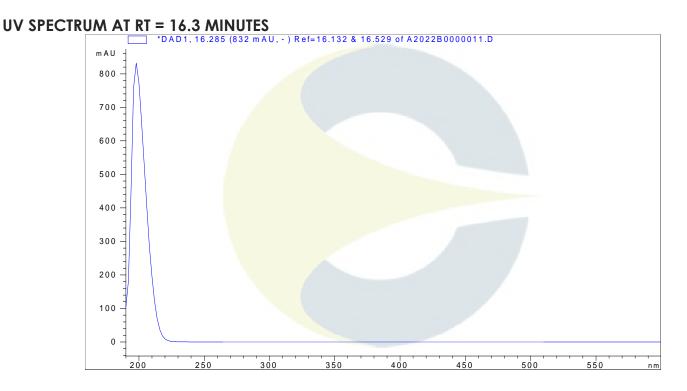




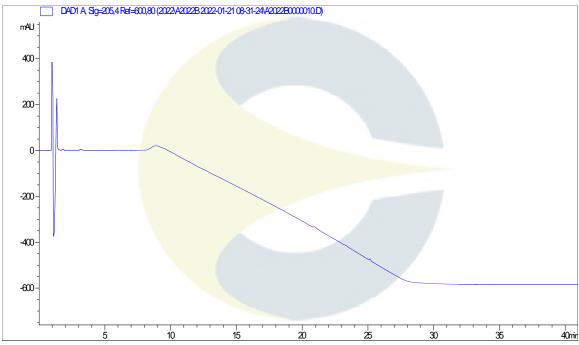
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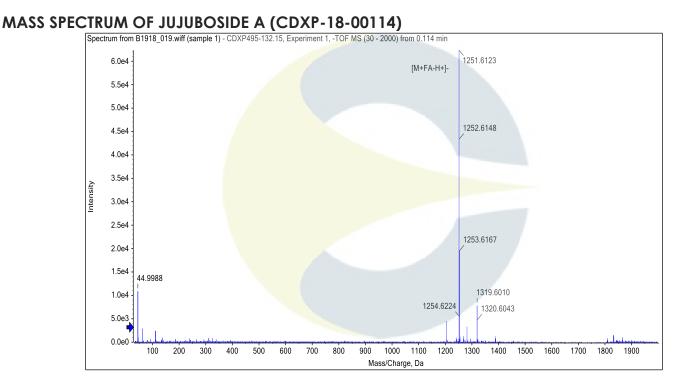




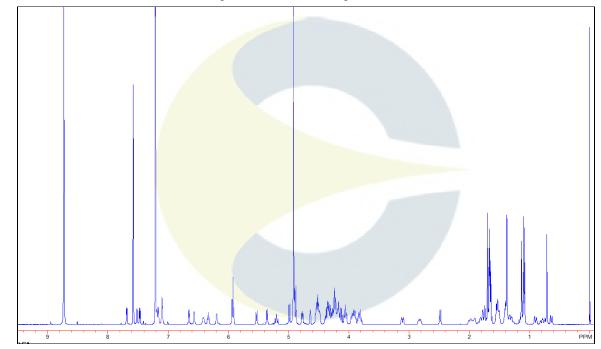
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¹H-NMR SPECTRUM OF JUJUBOSIDE A (CDXP-18-00114) IN PYRIDINE-d₅



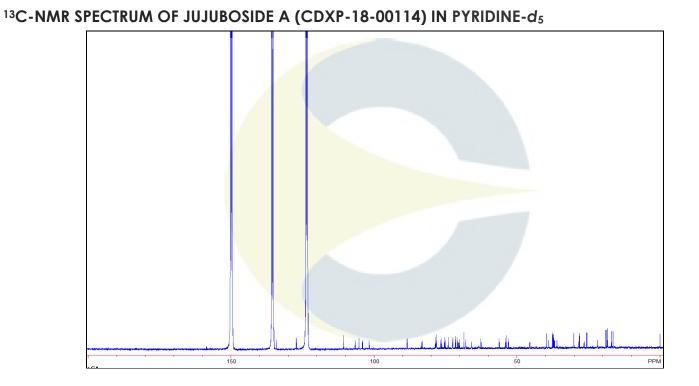




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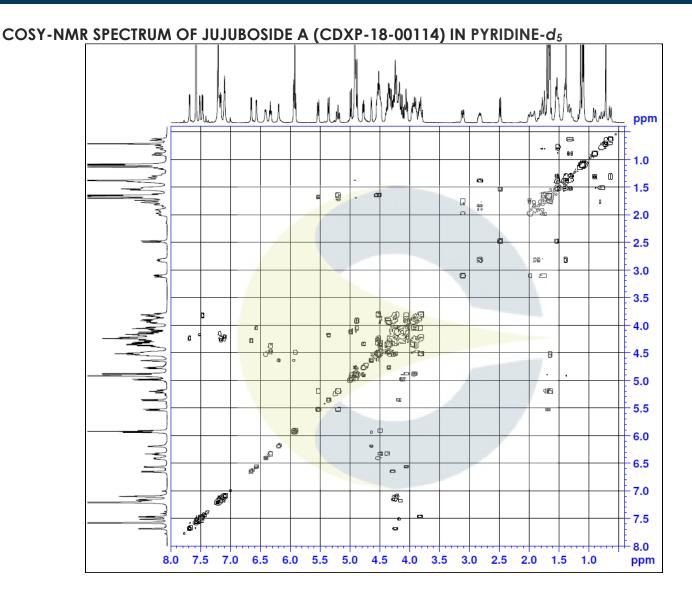




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REVISION HISTORY

<u>Revision History</u>	Date of Revision	Document/Changes
00	03/06/2018	New report
01	02/04/2022	Passed re-evaluation by HPLC, KF. Updated expiration date, analytical results, analytical conditions, and chromatograms. Added EC#.

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