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Certificate of Analysis

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		Structure
PRODUCT NAME	Procyanidin B2	ОН
PART NUMBER	00016231	ОН
STANDARD TYPE	Primary (P)	HO
LOT NUMBER	00016231-709	он
REPORT NUMBER	CDXA-RSS-9503-00	ОН
SAMPLE NUMBER	CDXP-21-00664	HO
DATE OF SAMPLE	09/15/2021	"""INDH
DATE OF REPORT	10/15/2021	он
CHEMICAL NAMES	(2R,2'R,3R,3'R,4R)-2,2'-Bis(3,4-dihydroxyphenyl)-3,3',4,4'-tetrahydro- [4,8'-bi-2H-1- benzopyran]-3,3',5,5',7,7'-hexol; (+)-Procyanidin B2; Proanthocyanidin B2	
CHEMICAL FORMULA	C30H26O12	
MOLECULAR WEIGHT (MW)	578.52	
CHEMICAL FAMILY	Anthocyanidins	
CAS NUMBER	[29106-49-8]	
EC#(EINECS)	NA	
RTECS	DT4325100	

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	92.7%
HPLC	0.700.10.2.METH22	≥ 90%	97.0%
NMR*	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Acetonitrile: 997 ppm
Water	0.700.12.37	NA	4.3%
Appearance	NA	NA	Off white powder

*Testing performed at a subcontracted laboratory. ADJUSTED PURITY: 92.7% IS BASED ON (100 - 0.1 SOLVENTS - 4.3 WATER) X 97.0% HPLC

STORAGE CONDITIONS

STORAGE -20 °C in a dry place.

EXPIRATION DATE 09/2026 under the above conditions.

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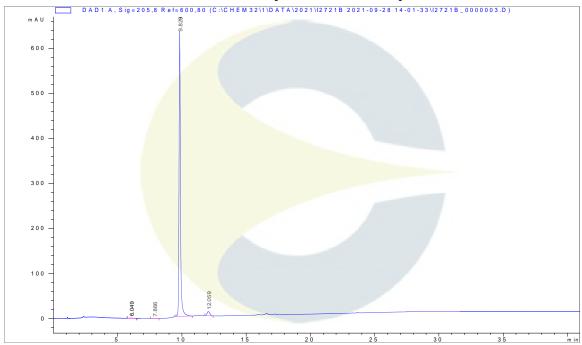
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF	
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 μm particle size	
MOBILE PHASE	A - 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.	60 °C	
FLOW RATE	0.4 mL/minute	
INJECTION VOL.	0.2 μL	
INJECTION CONC.	1.1 mg/mL in Methanol	
DETECTION	205 ± 4 nm	

HPLC CHROMATOGRAM OF PROCYANIDIN B2 (CDXP-21-00664)



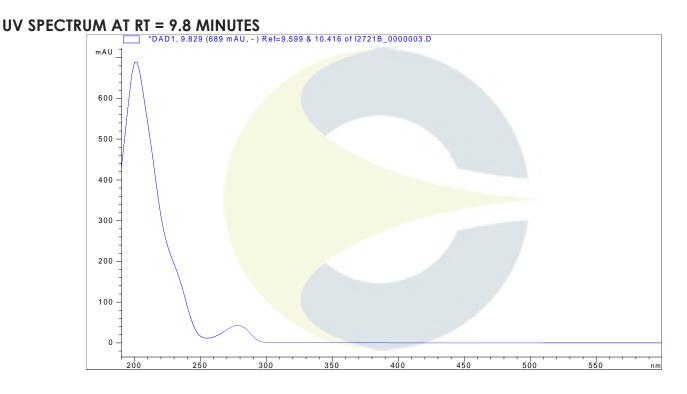




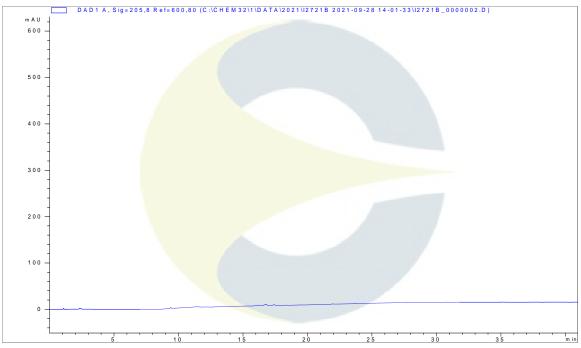
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HPLC CHROMATOGRAM OF DILUENT BLANK



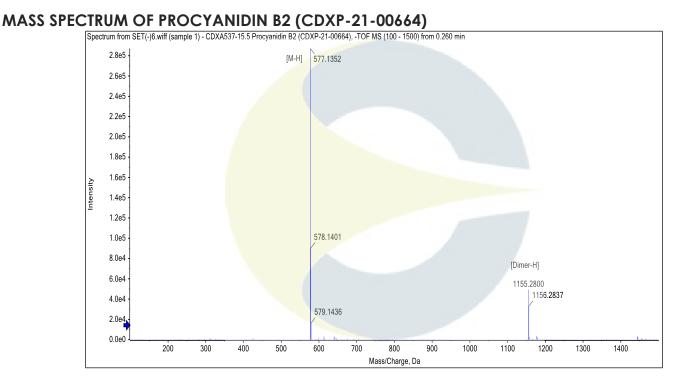




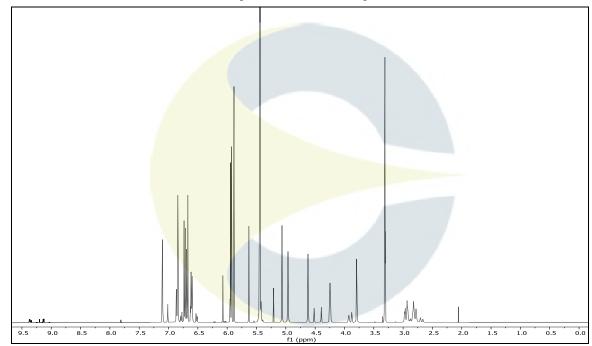
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¹H-NMR SPECTRUM OF PROCYANIDIN B2 (CDXP-21-00664) IN CD₃OD AT -40 °C



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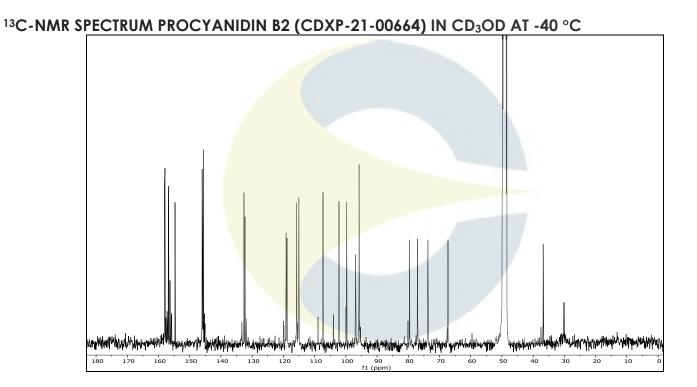




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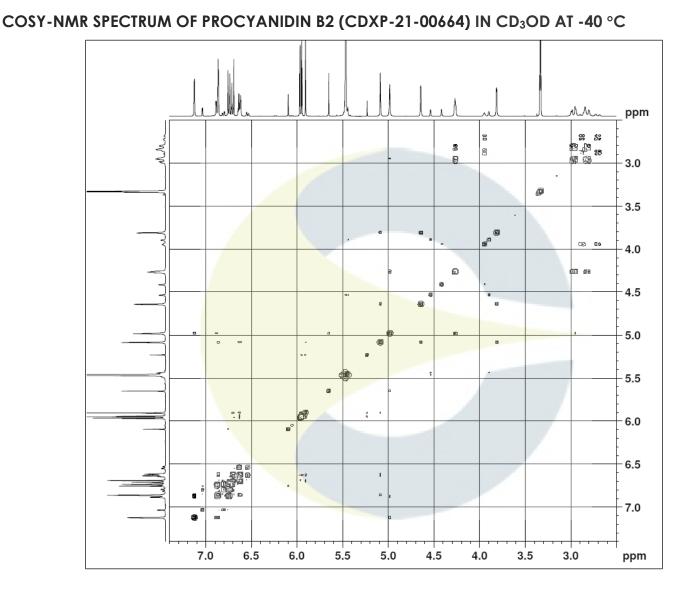




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REVISION HISTORY

Revision HistoryDate of RevisionDocument/Changes0010/15/2021New report