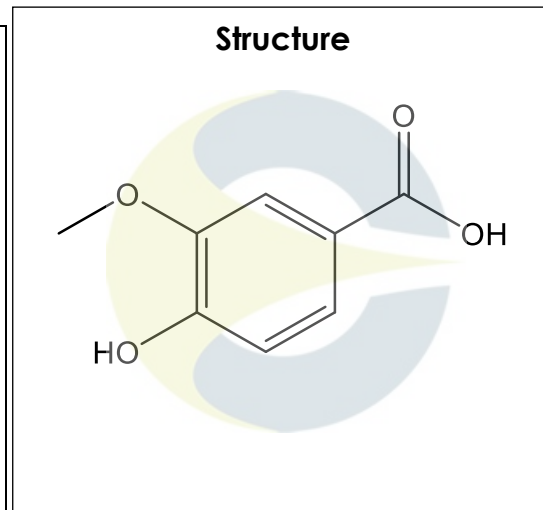


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PRODUCT NAME	Vanillic acid
PART NUMBER	00022306
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00022306-105
REPORT NUMBER	CDXA-RSS-6961-01
SAMPLE NUMBER	CDXA-15-010420
DATE OF SAMPLE	12/14/2015
DATE OF RE-EVALUATION	11/02/2020
DATE OF REPORT	11/13/2020



CHEMICAL NAMES	2-Methoxy-4-carboxyphenol; 3-Methoxy-4-hydroxybenzoic acid; 4-Hydroxy-3-methoxybenzoic acid
CHEMICAL FORMULA	C ₈ H ₈ O ₄
MOLECULAR WEIGHT (MW)	168.15
CHEMICAL FAMILY	Phenolic acids
CAS NUMBER	[121-34-6]
EC#(EINECS)	204-466-8
RTECS	YW5300000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	≥ 75%	99.4%
Mass Spectrum	Direct Infusion, ESI (-)	Conforms	Conforms
Appearance	NA	NA	Beige powder

STORAGE CONDITIONS

STORAGE	Room Temperature in a dry place.
EXPIRATION DATE	11/2025 under the above conditions.

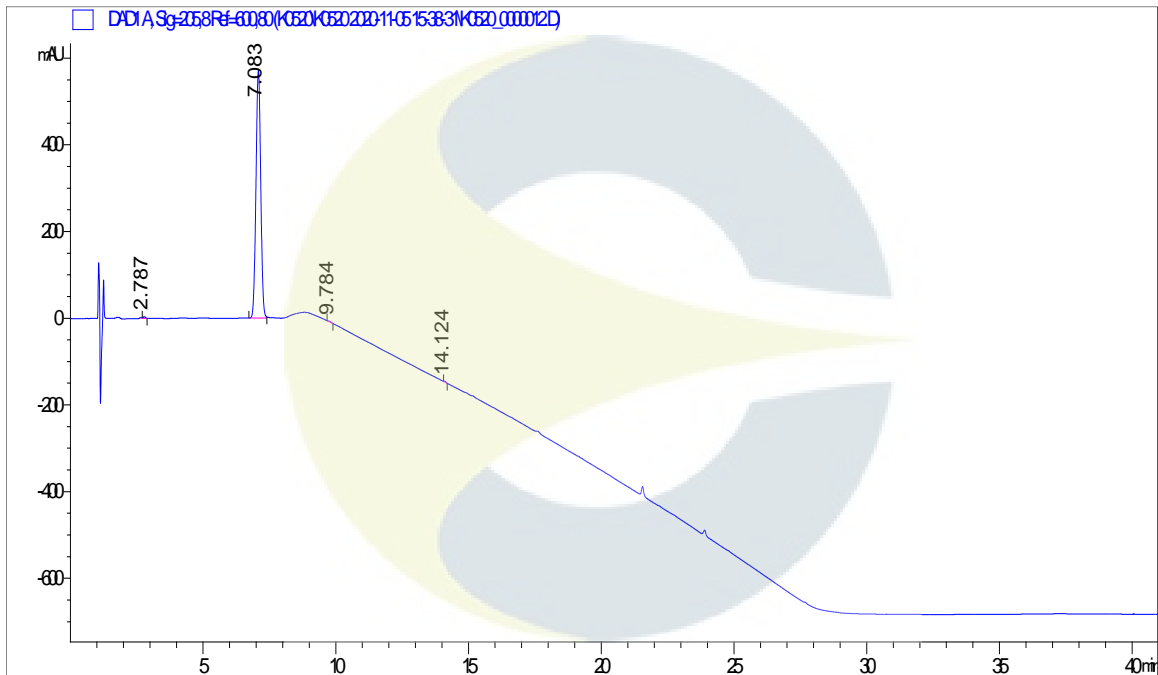
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ANALYTICAL CONDITIONS

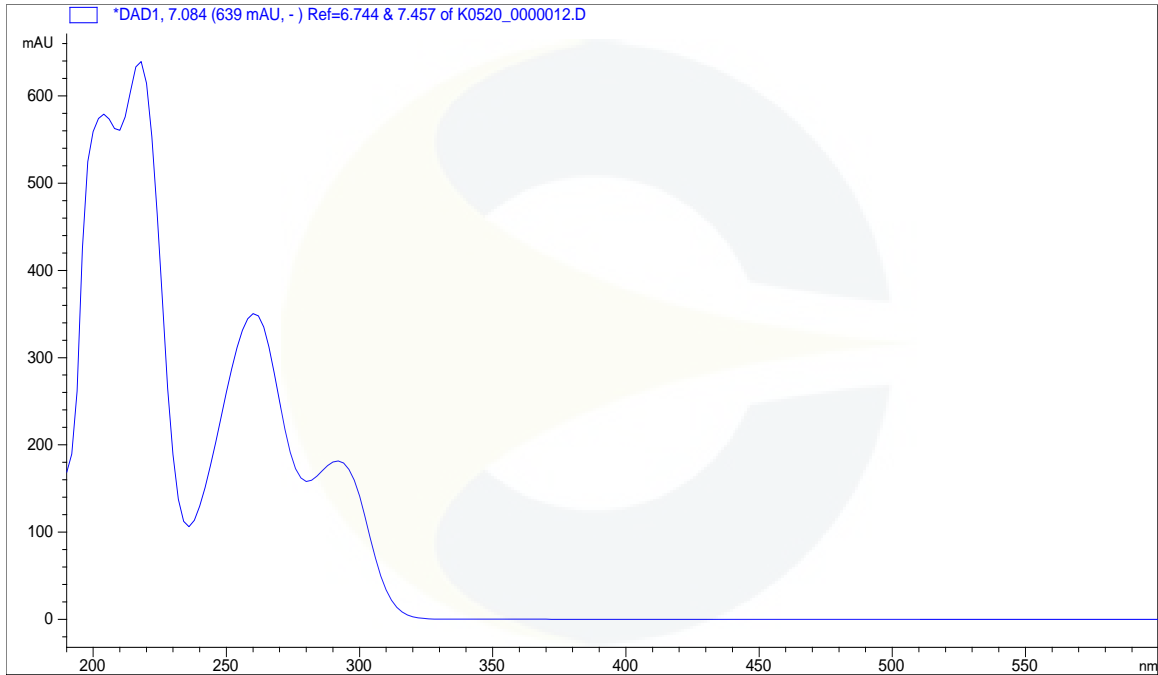
INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AGILENT 6510 QTOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.4 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	205 ± 4 nm

HPLC CHROMATOGRAM OF VANILLIC ACID (CDXA-15-010420)


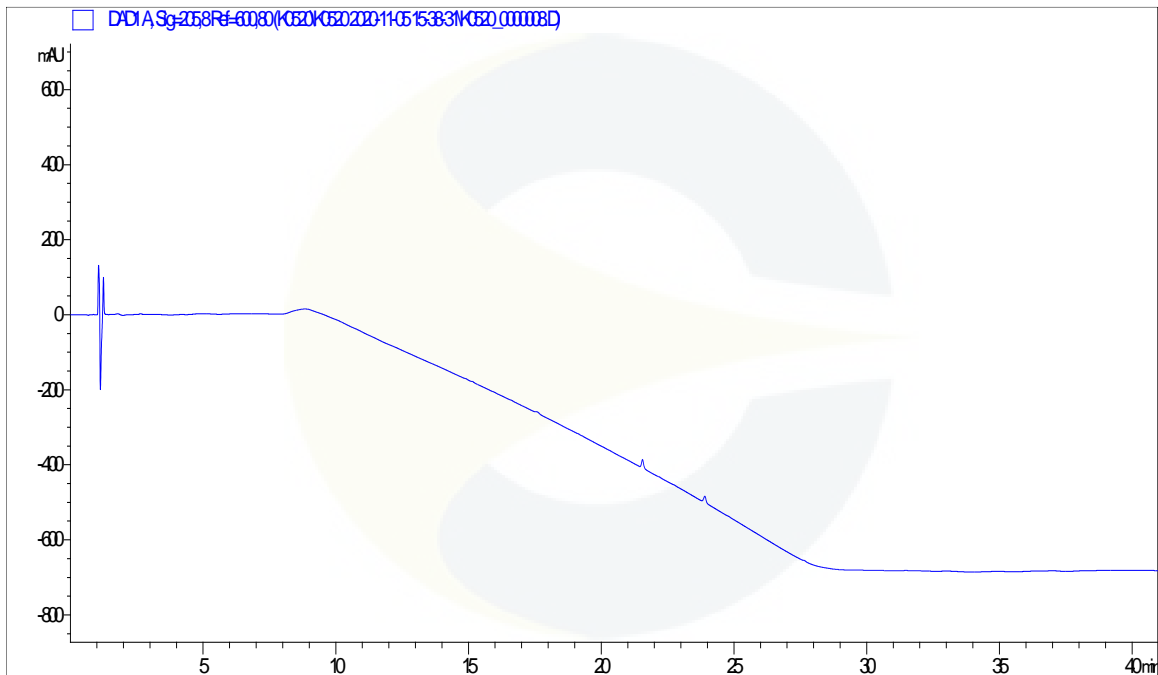
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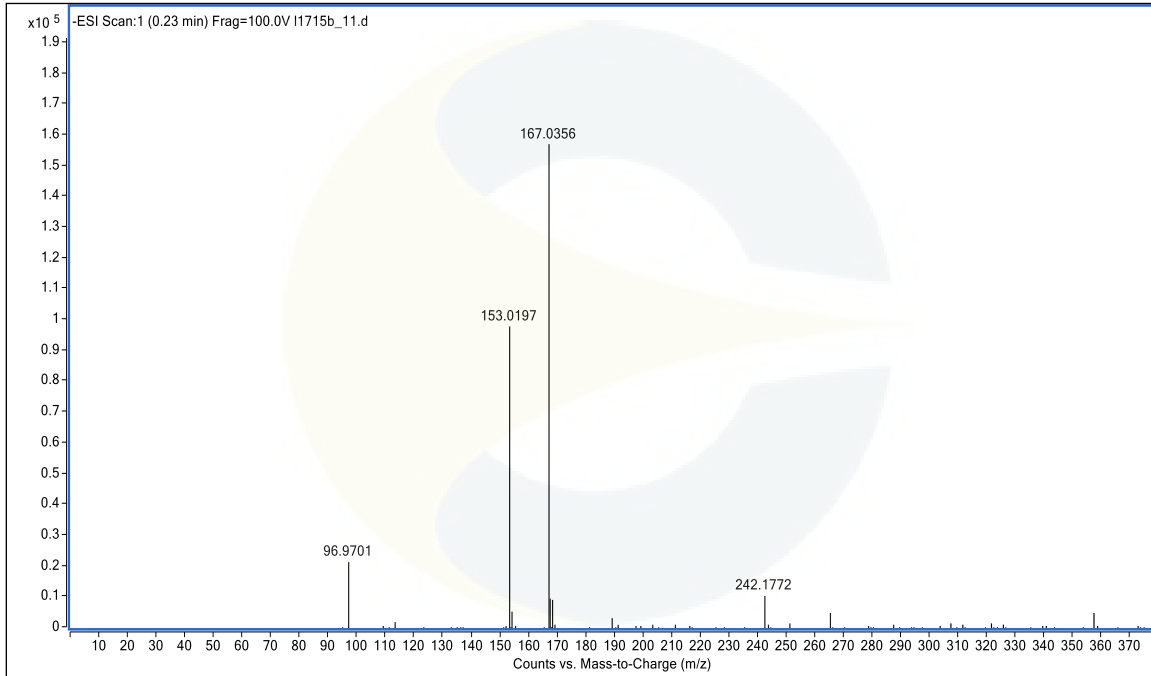
UV SPECTRUM AT 7.1 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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MASS SPECTRUM OF VANILLIC ACID (CDXA-15-010420)

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	01/12/2016	New report
01	11/13/2020	Material passed reevaluation by HPLC. Updated expiration date, analytical results, analytical conditions, and chromatograms. Removed melting point

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