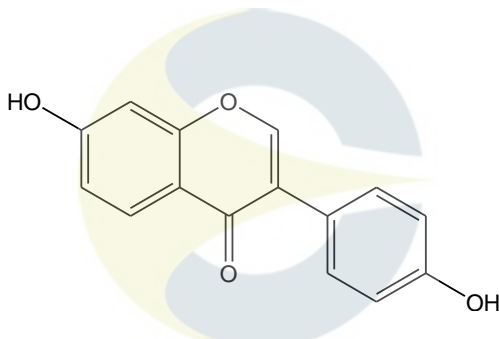


**Certificate of Analysis**

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<b>PRODUCT NAME</b>	Daidzein	<div style="text-align: center;"> <b>Structure</b>  </div>
<b>PART NUMBER</b>	00004005	
<b>STANDARD TYPE</b>	Analytical Standard (AS)	
<b>LOT NUMBER</b>	00004005-121	
<b>REPORT NUMBER</b>	CDXA-RSS-3540-03	
<b>SAMPLE NUMBER</b>	CDXA-09-2536	
<b>DATE OF SAMPLE</b>	06/09/2009	
<b>DATE OF RE-EVALUATION</b>	04/04/2013 (1 <sup>st</sup> ); 07/07/2017 (2 <sup>nd</sup> ); 05/27/2021 (3 <sup>rd</sup> )	
<b>DATE OF REPORT</b>	08/23/2021	

<b>CHEMICAL NAMES</b>	4',7-Dihydroxyisoflavone; 7-Hydroxy-3-(4-hydroxyphenyl)-4H-benzopyran-4-one; Daidzein
<b>CHEMICAL FORMULA</b>	C <sub>15</sub> H <sub>10</sub> O <sub>4</sub>
<b>MOLECULAR WEIGHT (MW)</b>	254.24
<b>CHEMICAL FAMILY</b>	Isoflavones
<b>CAS NUMBER</b>	[486-66-8]
<b>EC#(EINECS)</b>	207-635-4
<b>RTECS</b>	DJ3100040

**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	White powder

**STORAGE CONDITIONS**

<b>STORAGE</b>	-20 °C in a dry place.
<b>EXPIRATION DATE</b>	05/2026 under the above conditions.

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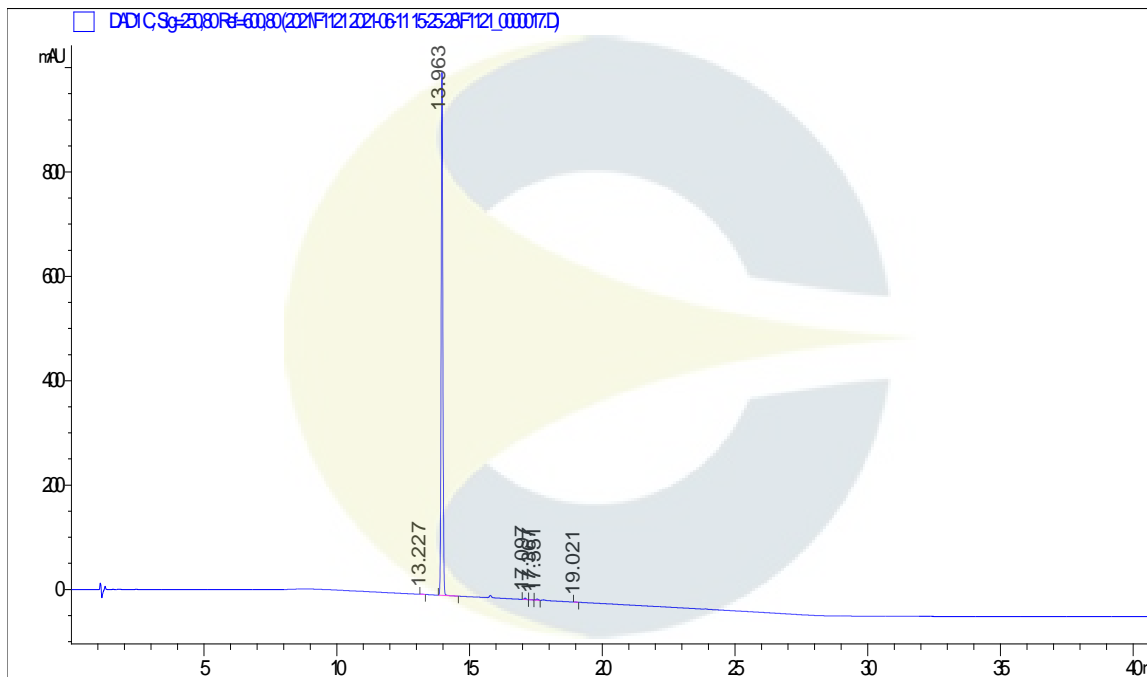
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## ANALYTICAL CONDITIONS

<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); FINNIGAN LCQ-DECA
<b>COLUMN</b>	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
<b>MOBILE PHASE</b>	A - 0.1% Trifluoroacetic acid in Milli-Q water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes.
<b>COLUMN TEMP.</b>	60 °C
<b>FLOW RATE</b>	0.4 mL/minute
<b>INJECTION VOL.</b>	0.4 µL
<b>INJECTION CONC.</b>	1.0 mg/mL in Methanol
<b>DETECTION</b>	250 ± 40 nm

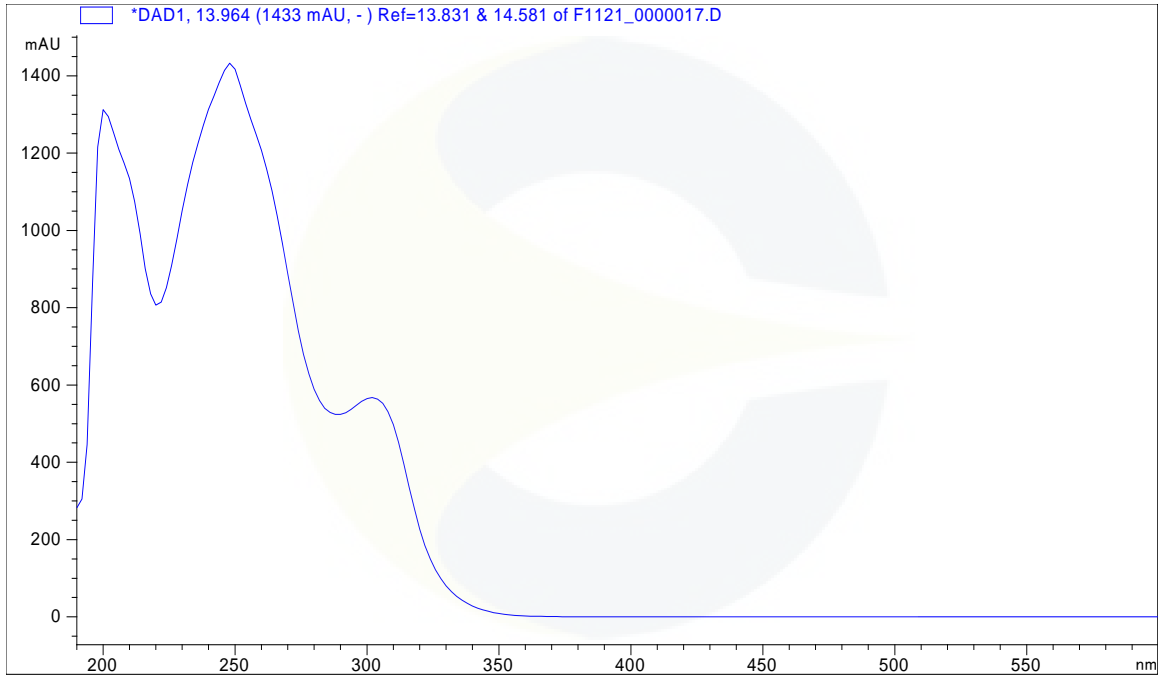
## HPLC CHROMATOGRAM OF DAIDZEIN (CDXA-09-2536)



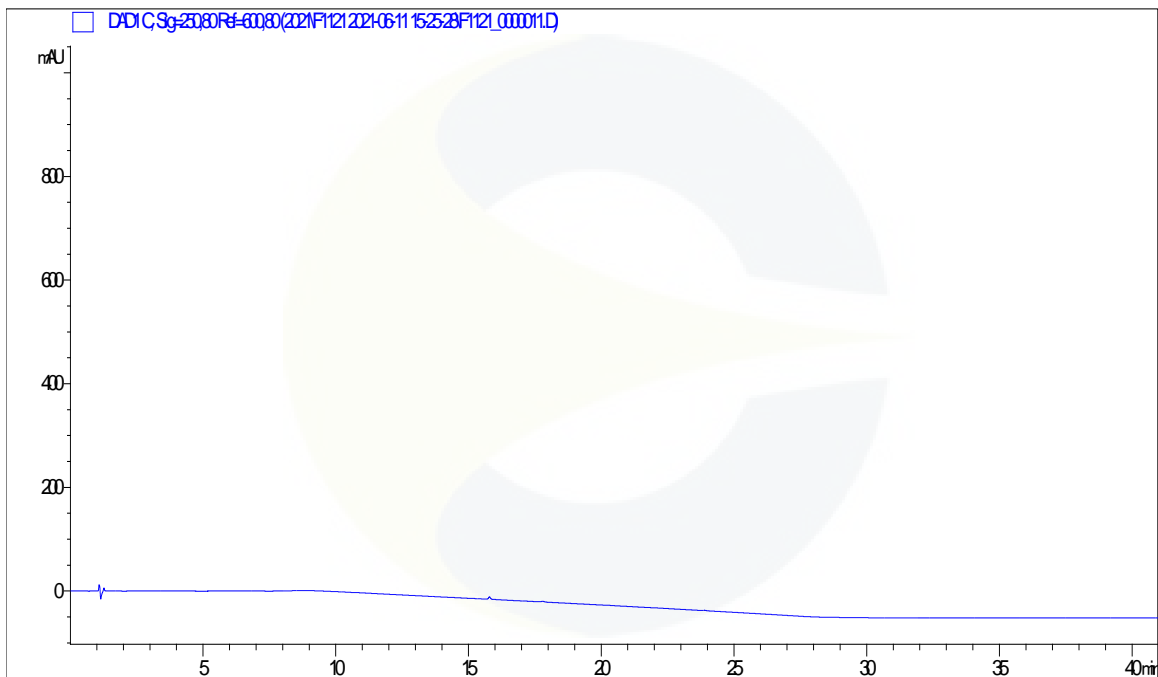
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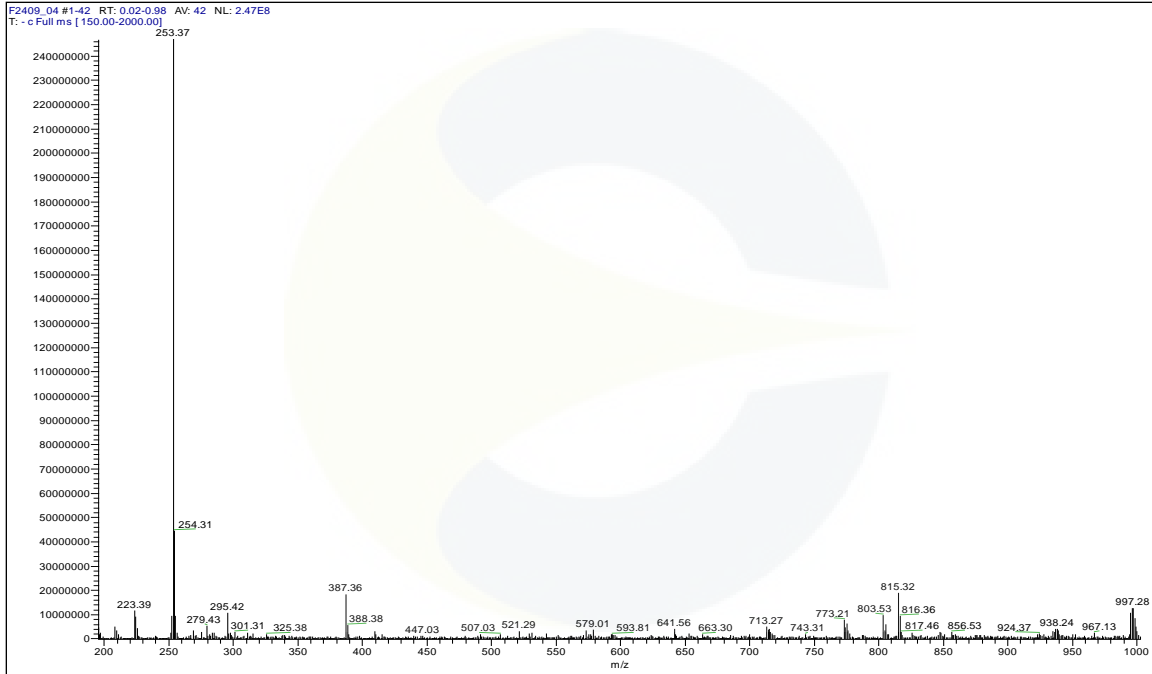
**UV SPECTRUM AT RT = 14.0 MINUTES**



**HPLC CHROMATOGRAM OF DILUENT BLANK**



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**MASS SPECTRUM OF DAIDZEIN (CDXA-09-2536)**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	06/25/2009	New report.
01	10/23/2013	Passed re-evaluation. Updated standard type, chemical names, melting point, and expiration date.
02	07/07/2017	Updated expiration date and removed melting point section.
03	08/23/2021	Passed re-evaluation by HPLC. Updated expiration date, analytical results, analytical conditions, and chromatograms.

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