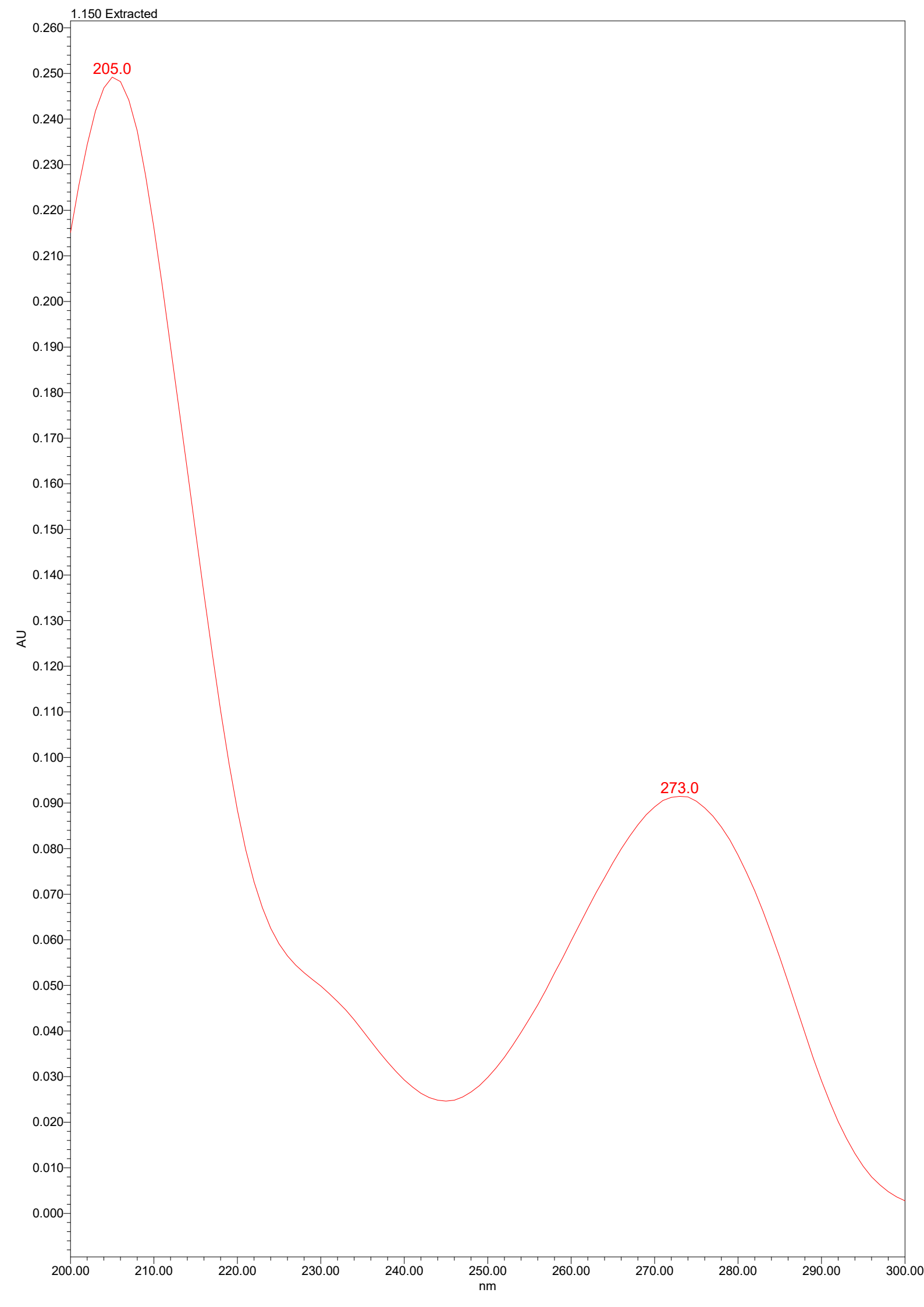

1.150 Extracted
205.0
273.0
AU
nm
0.260
0.250
0.240
0.230
0.220
0.210
0.200
0.190
0.180
0.170
0.160
0.150
0.140
0.130
0.120
0.110
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
200.00
210.00
220.00
230.00
240.00
250.00
260.00
270.00
280.00
290.00
300.00

PDA Spectrum at 1.150 minutes

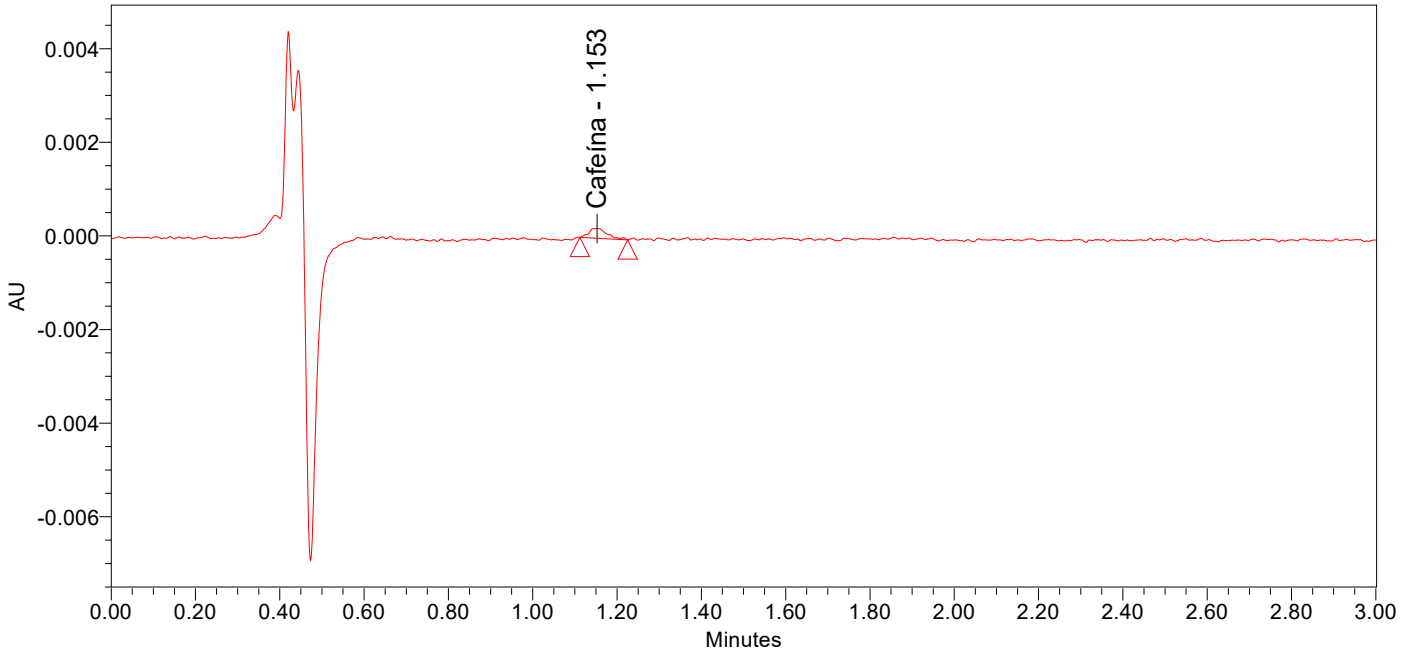
	Wavelength (nm)	Absorbance (au)
1	200.00	0.21511
2	201.00	0.22539
3	202.00	0.23438
4	203.00	0.24178
5	204.00	0.24681
6	205.00	0.24919
7	206.00	0.24823
8	207.00	0.24416
9	208.00	0.23741
10	209.00	0.22770
11	210.00	0.21617
12	211.00	0.20346
13	212.00	0.19008
14	213.00	0.17656
15	214.00	0.16304
16	215.00	0.14945
17	216.00	0.13584
18	217.00	0.12268
19	218.00	0.11023
20	219.00	0.09869
21	220.00	0.08846
22	221.00	0.07981
23	222.00	0.07272
24	223.00	0.06702
25	224.00	0.06253
26	225.00	0.05910
27	226.00	0.05647
28	227.00	0.05443
29	228.00	0.05277
30	229.00	0.05129
31	230.00	0.04988
32	231.00	0.04821
33	232.00	0.04645
34	233.00	0.04461
35	234.00	0.04245
36	235.00	0.04011
37	236.00	0.03775
38	237.00	0.03540
39	238.00	0.03320
40	239.00	0.03116
41	240.00	0.02928
42	241.00	0.02771
43	242.00	0.02636
44	243.00	0.02540
45	244.00	0.02482
46	245.00	0.02463
47	246.00	0.02482
48	247.00	0.02554
49	248.00	0.02661
50	249.00	0.02801
51	250.00	0.02983
52	251.00	0.03190
53	252.00	0.03424
54	253.00	0.03687
55	254.00	0.03972

	Wavelength (nm)	Absorbance (au)
56	255.00	0.04269
57	256.00	0.04571
58	257.00	0.04908
59	258.00	0.05270
60	259.00	0.05609
61	260.00	0.05976
62	261.00	0.06335
63	262.00	0.06686
64	263.00	0.07039
65	264.00	0.07362
66	265.00	0.07687
67	266.00	0.07995
68	267.00	0.08272
69	268.00	0.08522
70	269.00	0.08743
71	270.00	0.08917
72	271.00	0.09056
73	272.00	0.09123
74	273.00	0.09146
75	274.00	0.09133
76	275.00	0.09042
77	276.00	0.08894
78	277.00	0.08712
79	278.00	0.08475
80	279.00	0.08194
81	280.00	0.07858
82	281.00	0.07483
83	282.00	0.07075
84	283.00	0.06623
85	284.00	0.06127
86	285.00	0.05611
87	286.00	0.05074
88	287.00	0.04516
89	288.00	0.03962
90	289.00	0.03416
91	290.00	0.02909
92	291.00	0.02442
93	292.00	0.02015
94	293.00	0.01642
95	294.00	0.01312
96	295.00	0.01035
97	296.00	0.00801
98	297.00	0.00624
99	298.00	0.00477
100	299.00	0.00363
101	300.00	0.00277

SAMPLE INFORMATION

Sample Name:	Branco 01	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	2	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 2:33:28 PM -03		
Date Processed:	10/16/2026 11:14:08 AM -03		

Auto-Scaled Chromatogram



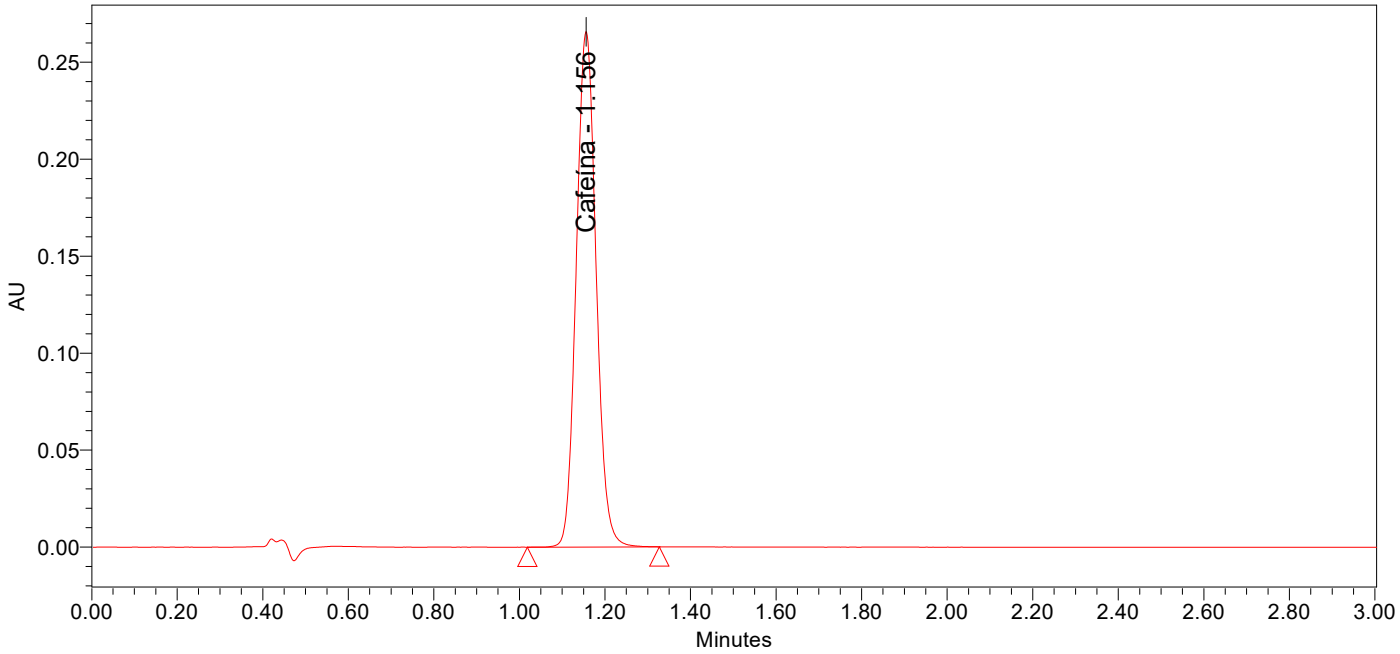
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.153	632	208		

SAMPLE INFORMATION

Sample Name:	PCIN 01	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	3	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 2:37:35 PM -03		
Date Processed:	10/16/2026 11:14:08 AM -03		

Auto-Scaled Chromatogram



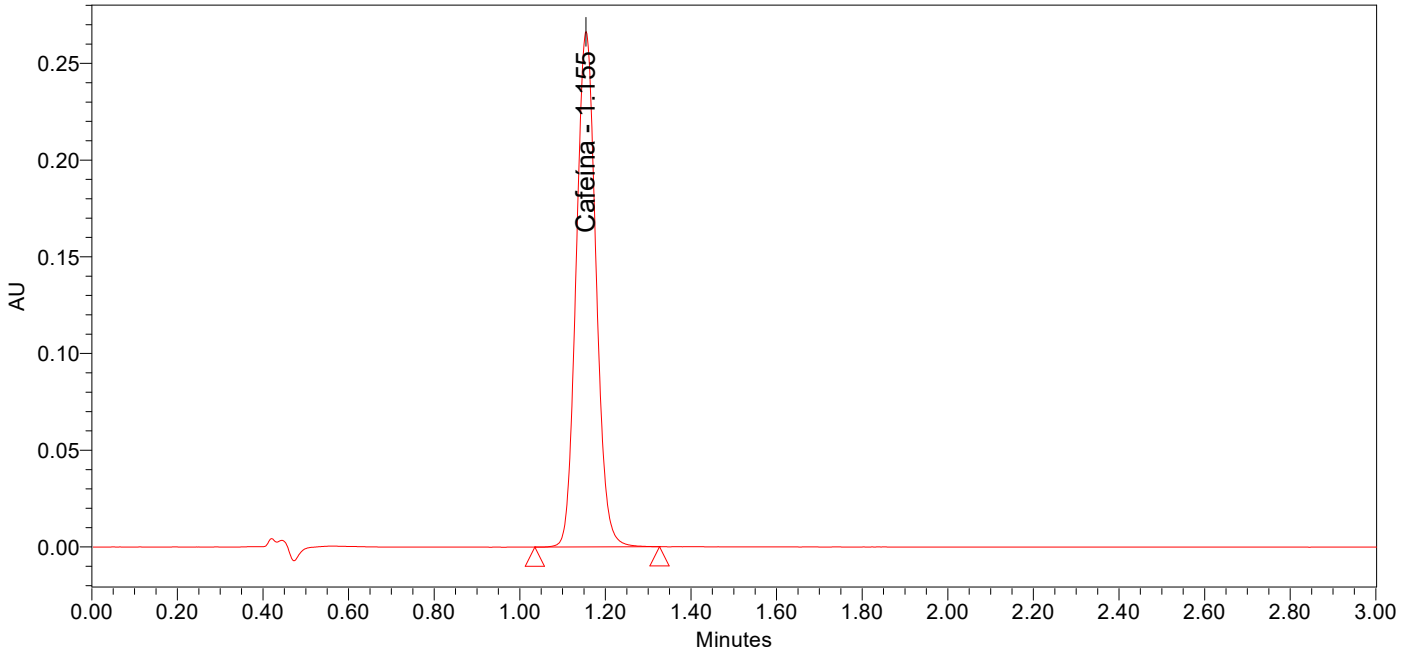
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.156	855187	265821		

SAMPLE INFORMATION

Sample Name:	PCIN 02	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	3	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 2:41:40 PM -03		
Date Processed:	10/16/2026 11:14:07 AM -03		

Auto-Scaled Chromatogram



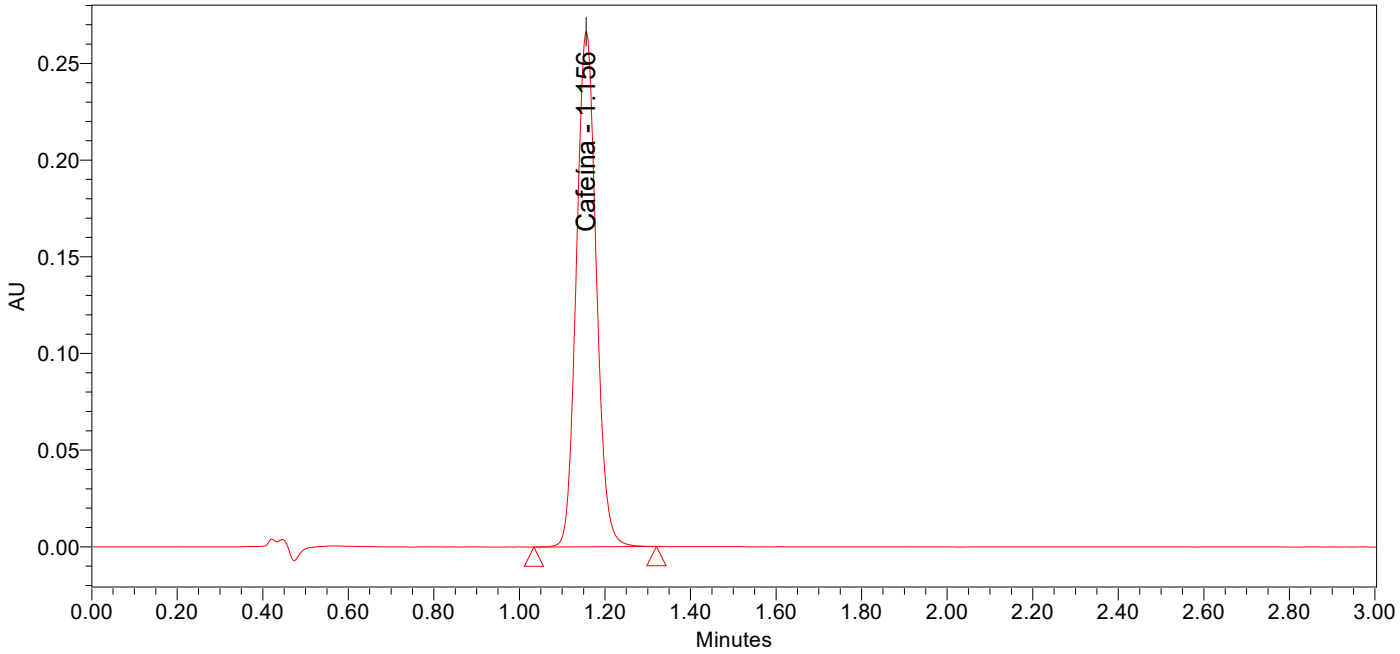
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.155	855231	266434		

SAMPLE INFORMATION

Sample Name:	PCIN 03	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	3	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 2:45:44 PM -03		
Date Processed:	10/16/2026 11:14:07 AM -03		

Auto-Scaled Chromatogram



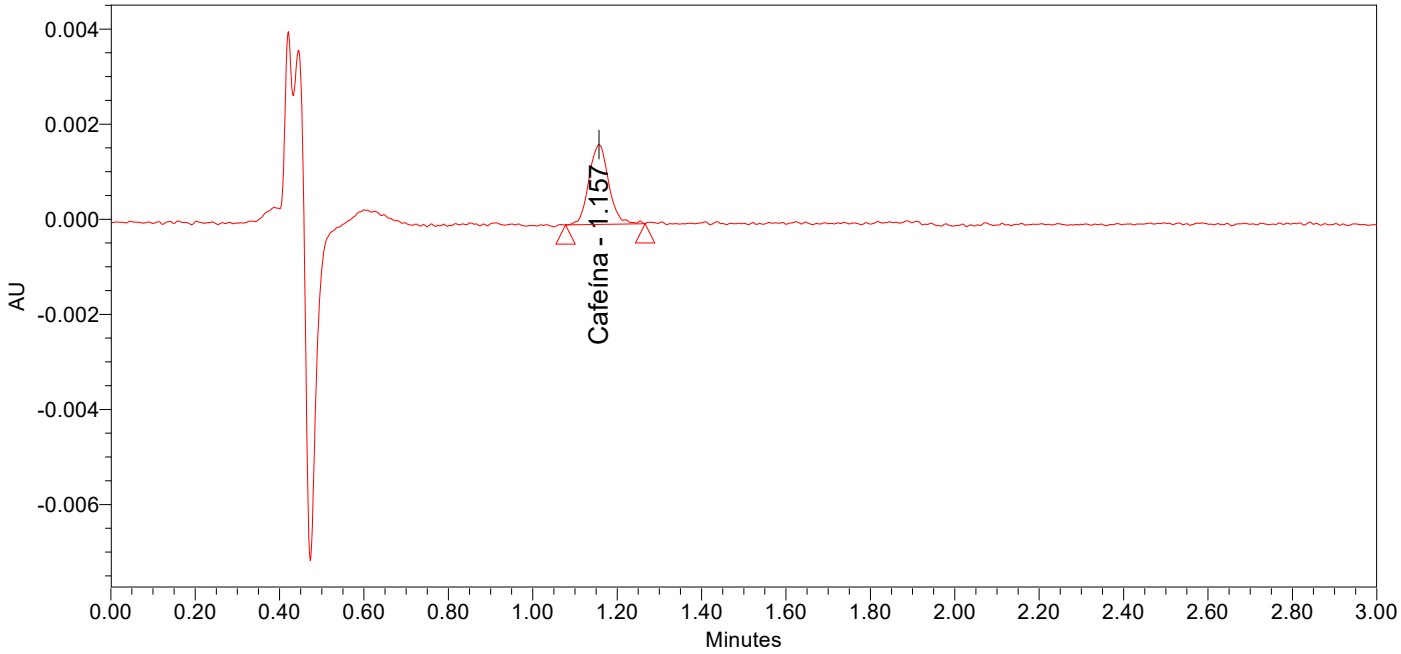
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.156	858228	266654		

SAMPLE INFORMATION

Sample Name:	Branco 02	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	2	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 2:52:59 PM -03		
Date Processed:	10/16/2026 11:14:07 AM -03		

Auto-Scaled Chromatogram



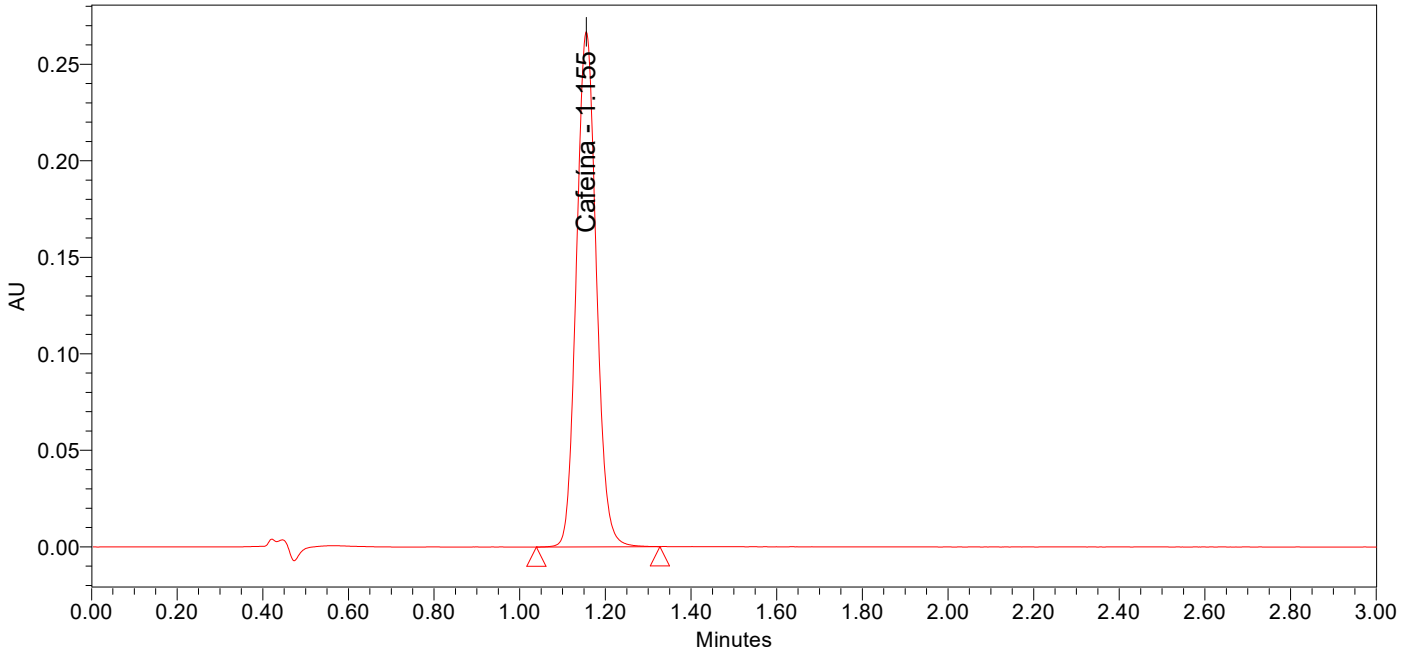
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.157	5500	1681		

SAMPLE INFORMATION

Sample Name:	PCIN 04	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	3	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 2:57:05 PM -03		
Date Processed:	10/16/2026 11:14:07 AM -03		

Auto-Scaled Chromatogram



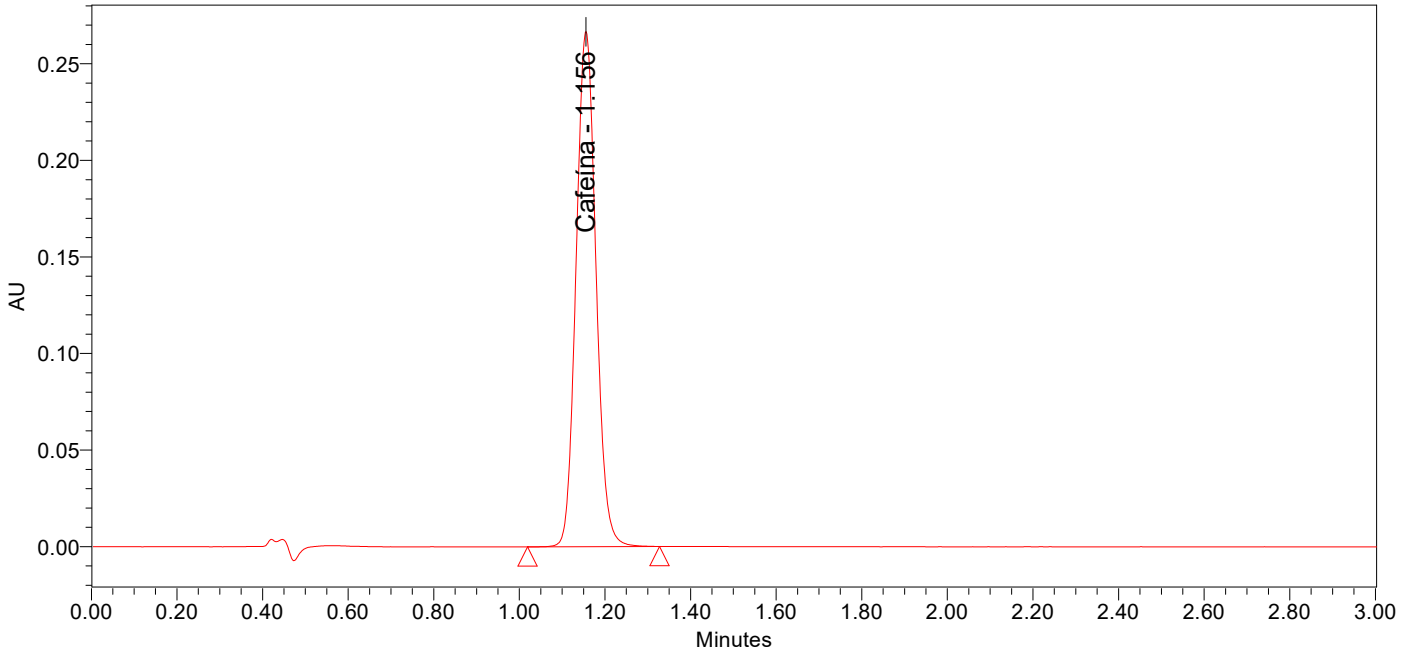
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.155	859293	266927		

SAMPLE INFORMATION

Sample Name:	PCIN 05	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	3	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 3:01:11 PM -03		
Date Processed:	10/16/2026 11:14:07 AM -03		

Auto-Scaled Chromatogram



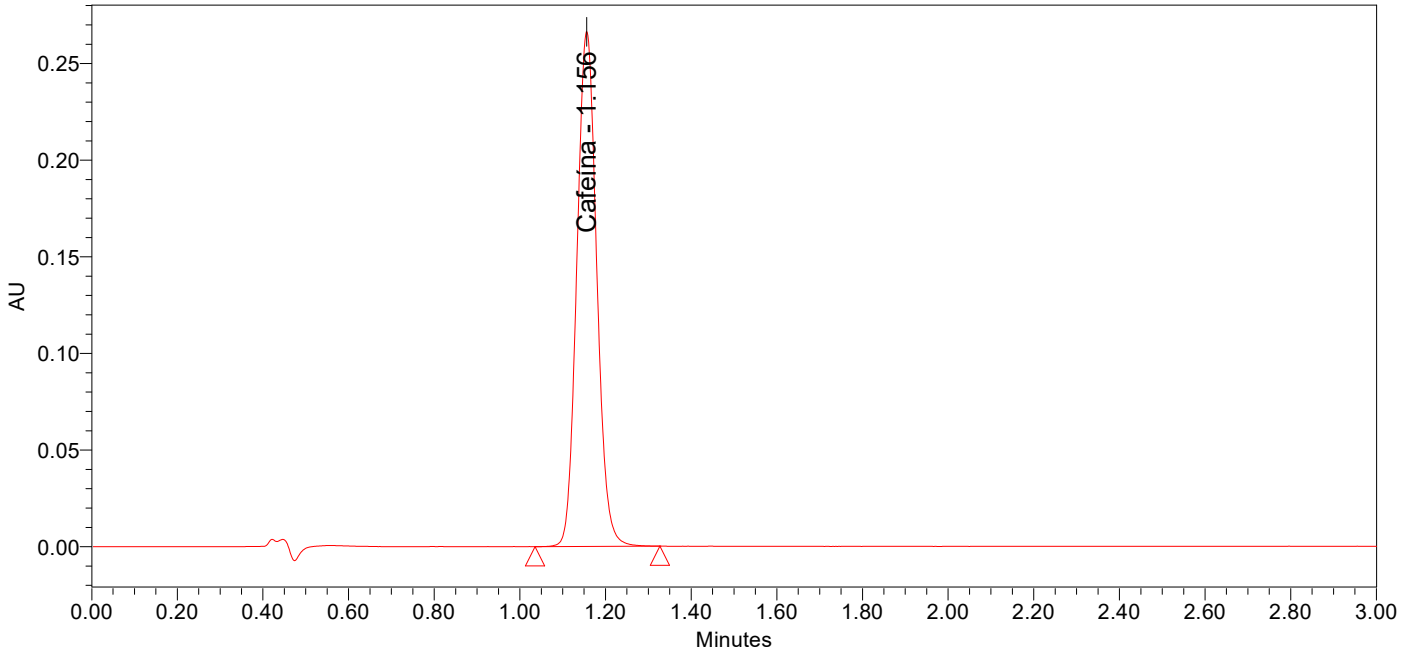
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.156	859033	266713		

SAMPLE INFORMATION

Sample Name:	PCIN 06	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	3	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 3:05:20 PM -03		
Date Processed:	10/16/2026 11:14:07 AM -03		

Auto-Scaled Chromatogram



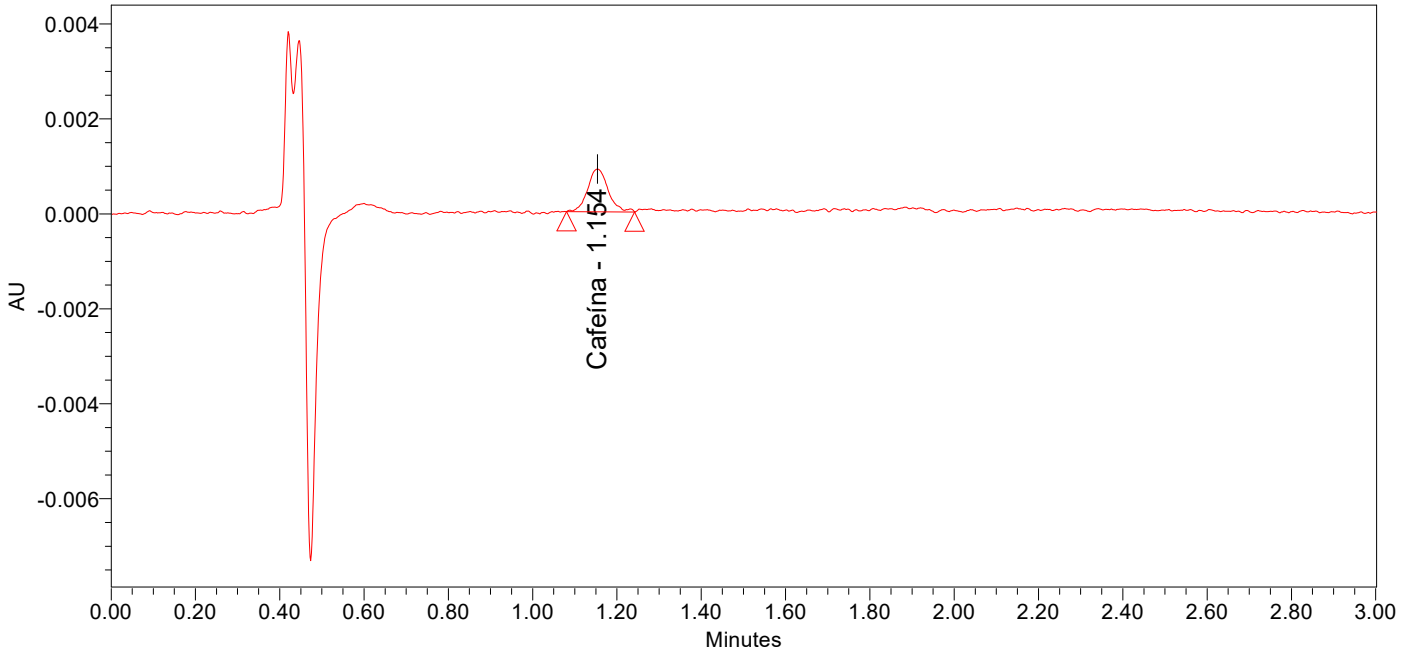
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.156	858528	266469		

SAMPLE INFORMATION

Sample Name:	Branco 03	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	2	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 3:09:26 PM -03		
Date Processed:	10/16/2026 11:14:06 AM -03		

Auto-Scaled Chromatogram



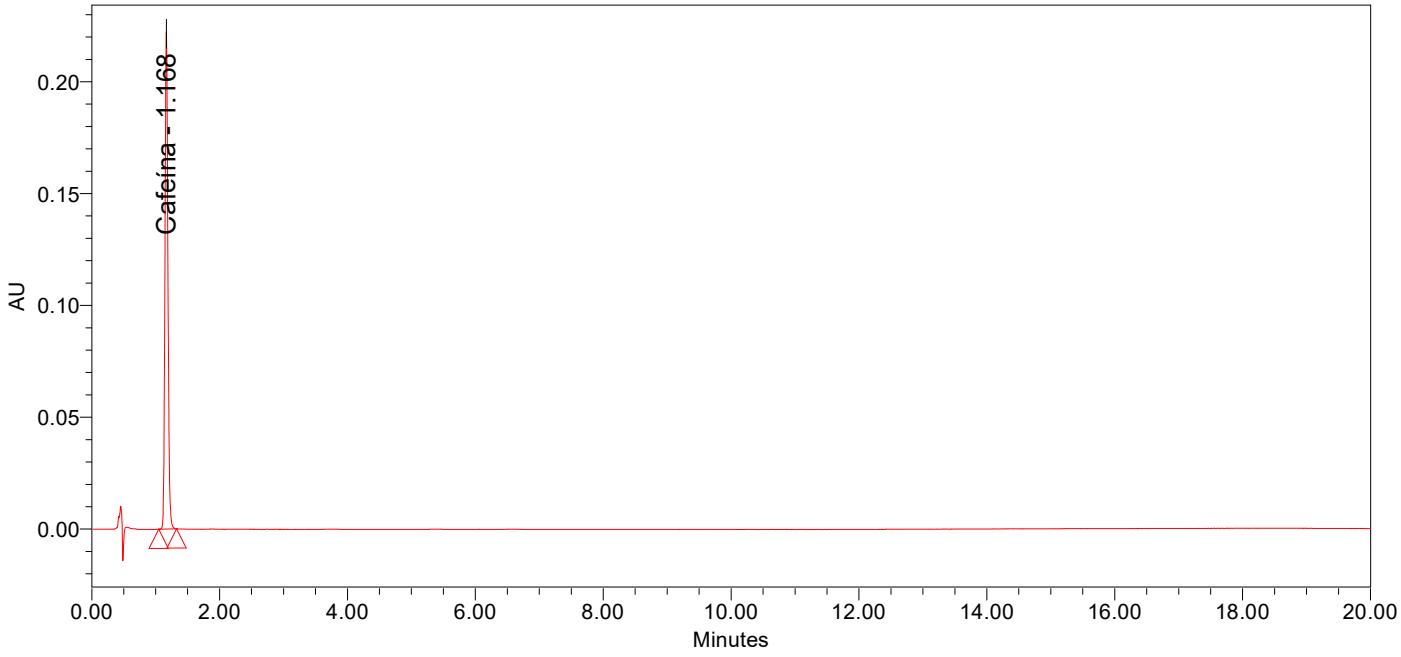
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.154	3055	902		

SAMPLE INFORMATION

Sample Name:	RELB	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	9	Acq. Method Set:	HPL001_QPACK_OQ_RELB
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	20.00 ul	Channel Name:	DAD.0.0
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 250 nm/Bw:4 nm
Date Acquired:	10/15/2026 3:34:20 PM -03		
Date Processed:	10/16/2026 11:14:05 AM -03		

Auto-Scaled Chromatogram



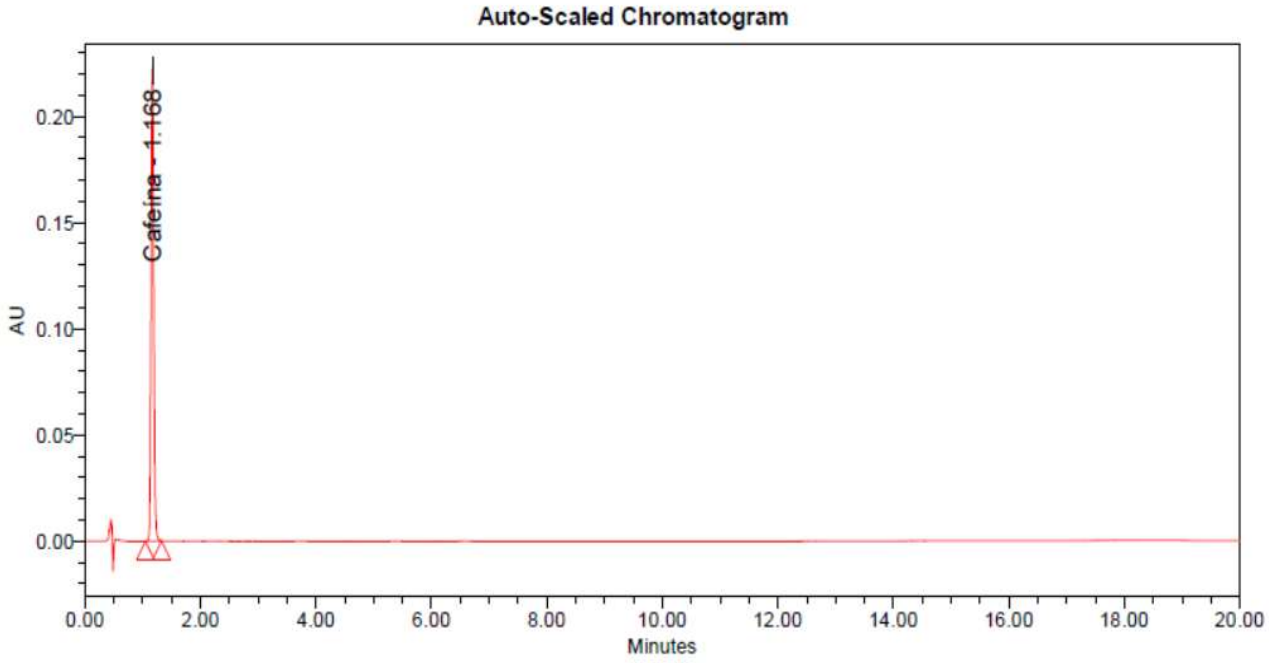
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.168	720463	222471		

Certificado Nº: 481/26-RELB	Início da Qualificação: 15/10/2026	Página 1 de 3	

Resultado obtido na altura do pico

	ALTURA DO PICO (mAU)
Resultado:	222,471



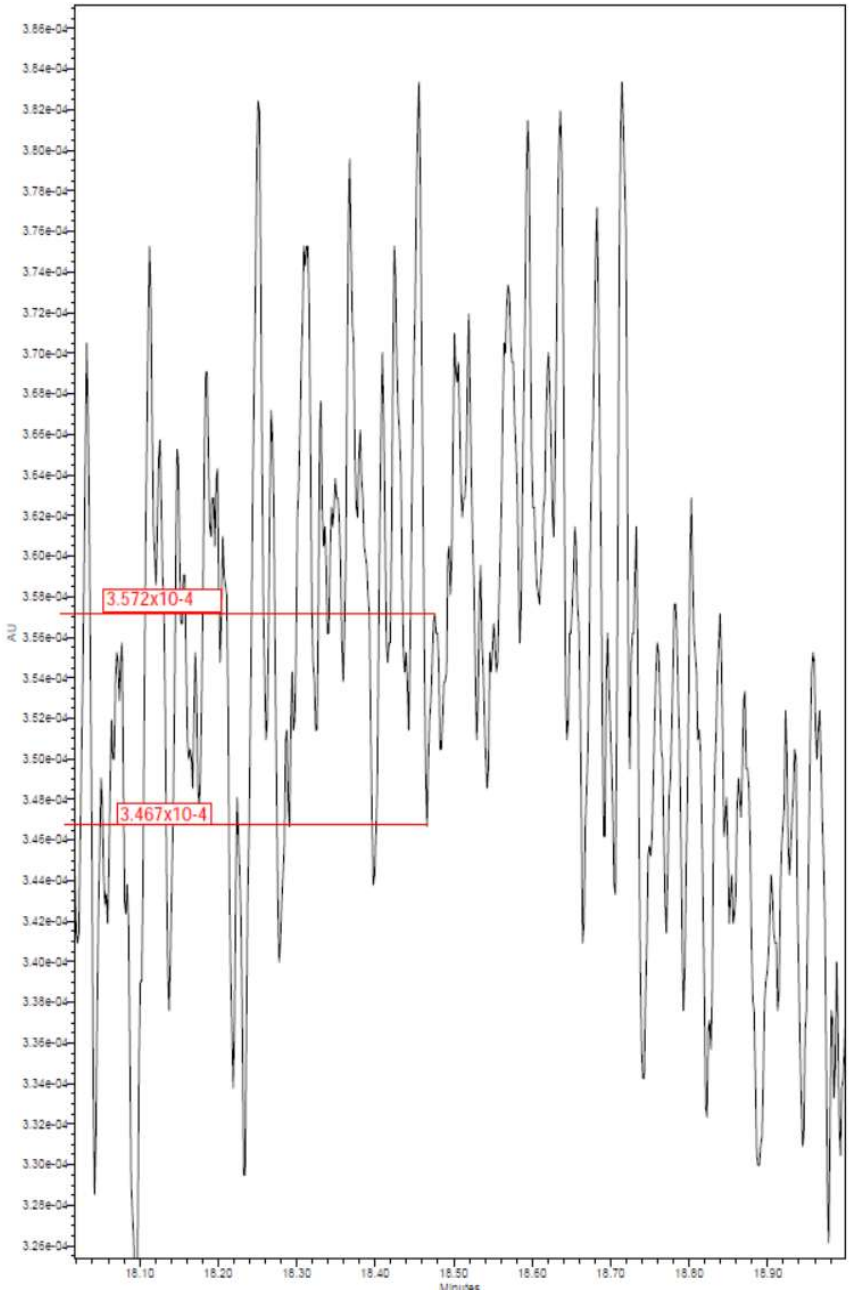
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.168	720463	222471		

Certificado Nº: 481/26-RELB	Início da Qualificação: 15/10/2026	Página 2 de 3

Resultado obtido no teste de sinal/ruído

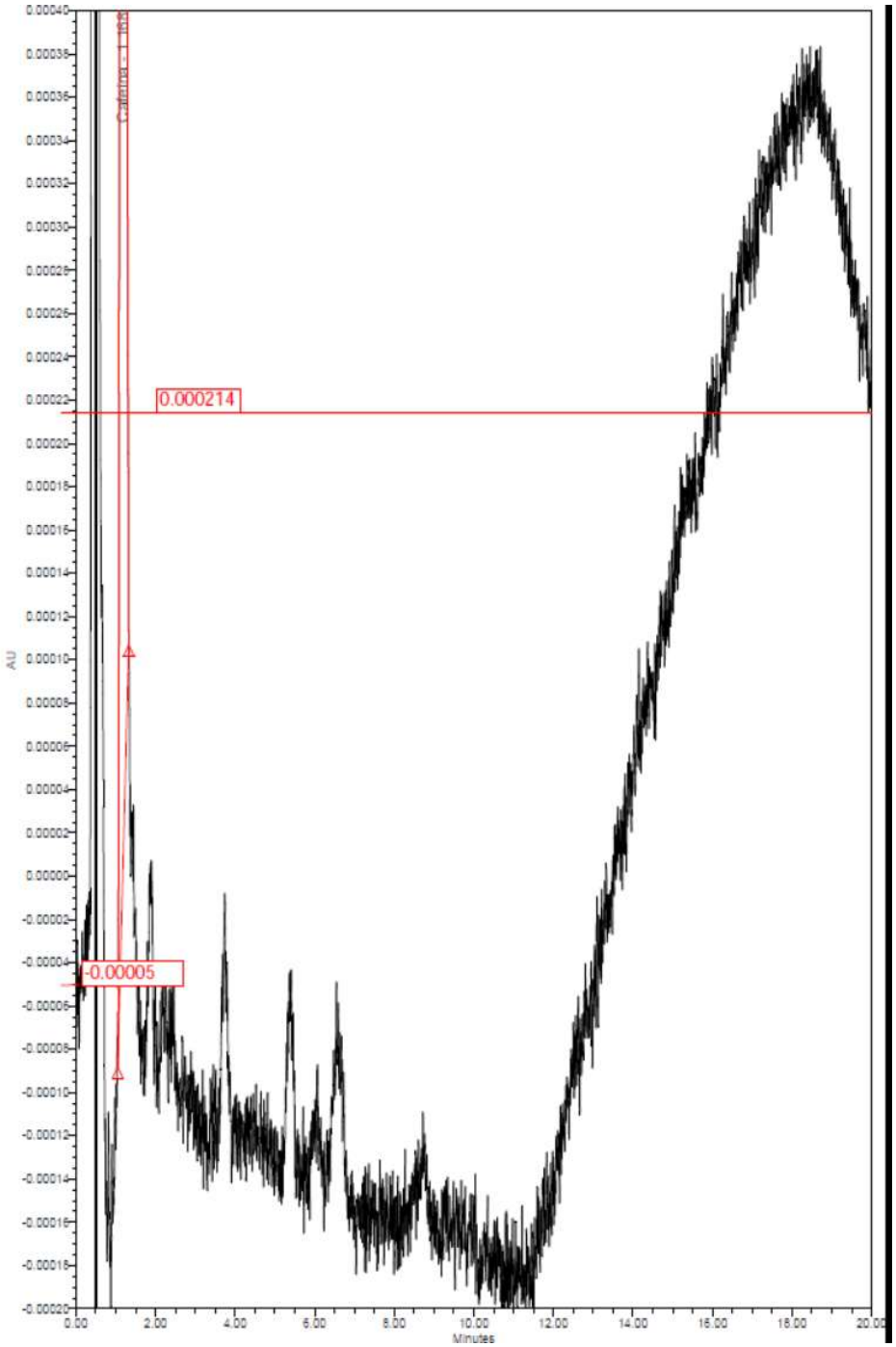
Resultado:	Ruído (mAU)
VALOR MÁXIMO:	0,3572
VALOR MÍNIMO:	0,3467
	Ruído
	0,0105



Certificado Nº: 481/26-RELB	Início da Qualificação: 15/10/2026	Página 3 de 3

Resultado obtido no teste estabilidade da linha de base

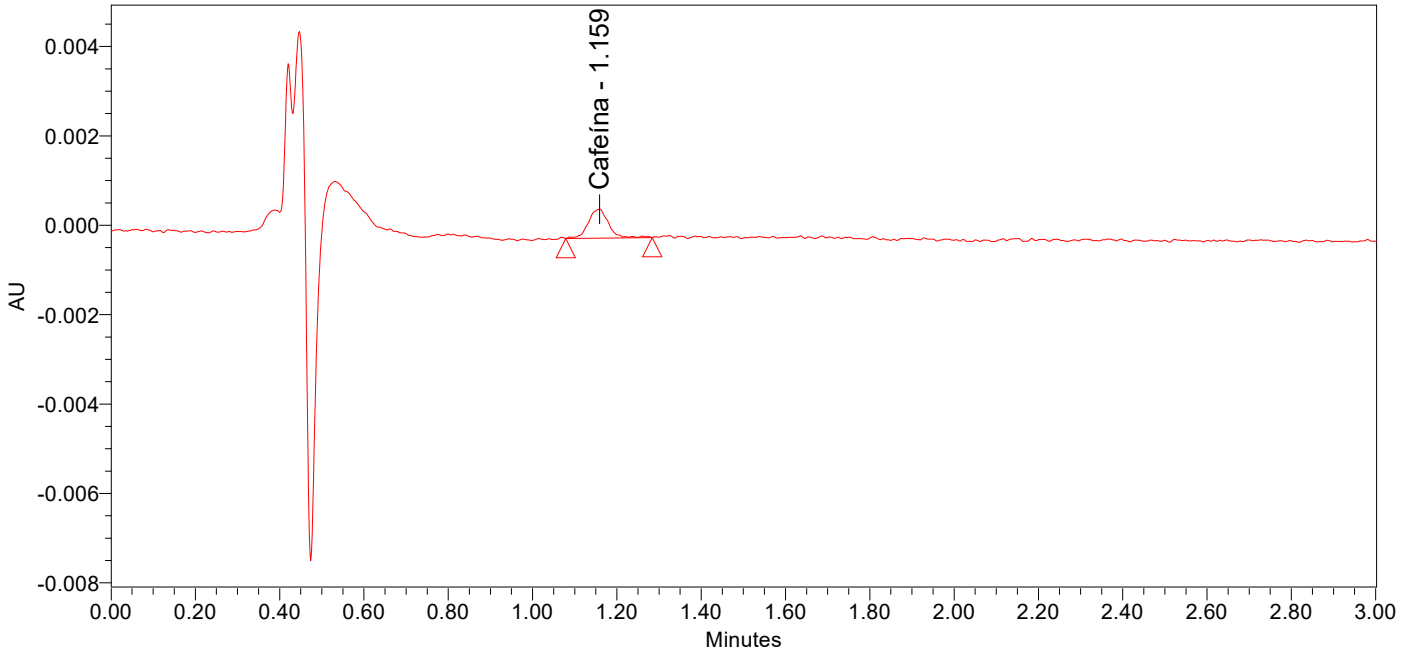
Estabilidade da Linha de Base	Diferença 20 min	Diferença 60 min
VALOR MÁXIMO:	0,214	0,792
VALOR MÍNIMO:	-0,050	
Resultado:	0,264	



SAMPLE INFORMATION

Sample Name:	LDUV 01	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	4	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 3:13:35 PM -03		
Date Processed:	10/16/2026 11:14:06 AM -03		

Auto-Scaled Chromatogram



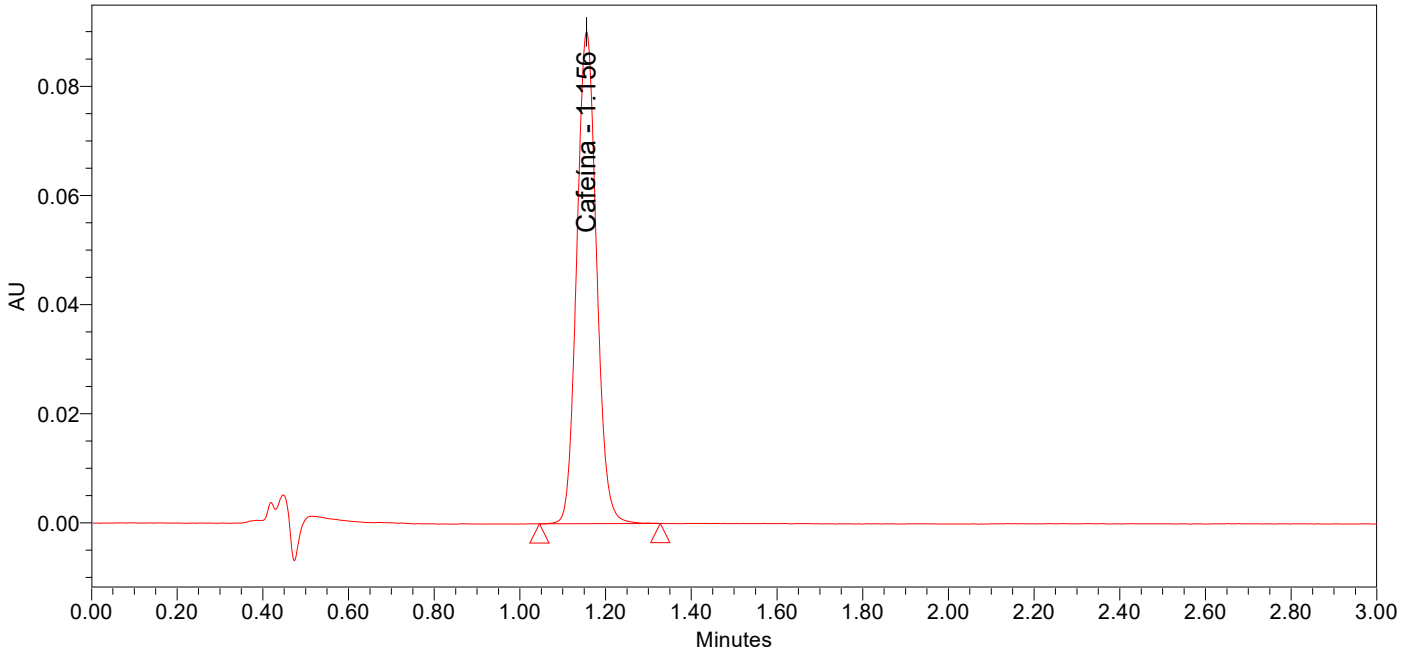
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.159	2196	653		

SAMPLE INFORMATION

Sample Name:	LDUV 02	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	5	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 3:17:45 PM -03		
Date Processed:	10/16/2026 11:14:06 AM -03		

Auto-Scaled Chromatogram



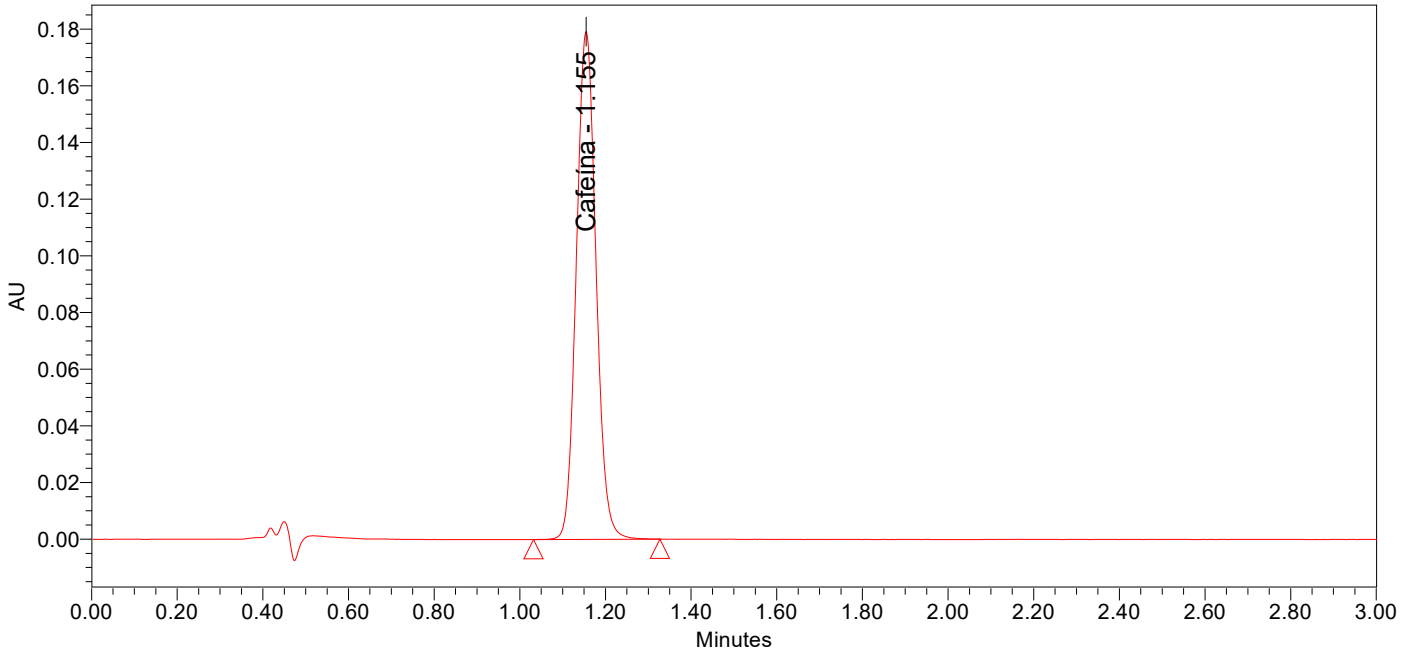
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.156	287917	90159		

SAMPLE INFORMATION

Sample Name:	LDUV 03	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	6	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 3:21:52 PM -03		
Date Processed:	10/16/2026 11:14:06 AM -03		

Auto-Scaled Chromatogram



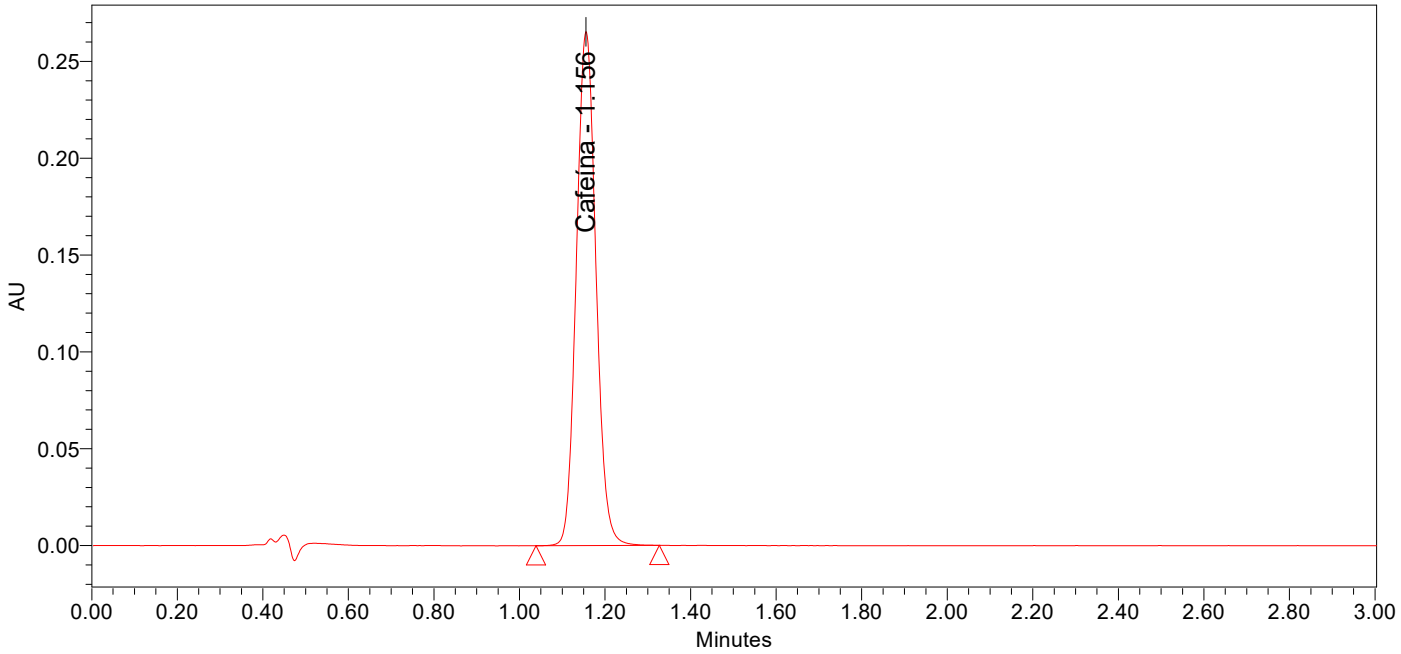
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.155	569755	179319		

SAMPLE INFORMATION

Sample Name:	LDUV 04	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	7	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 3:26:01 PM -03		
Date Processed:	10/16/2026 11:14:06 AM -03		

Auto-Scaled Chromatogram



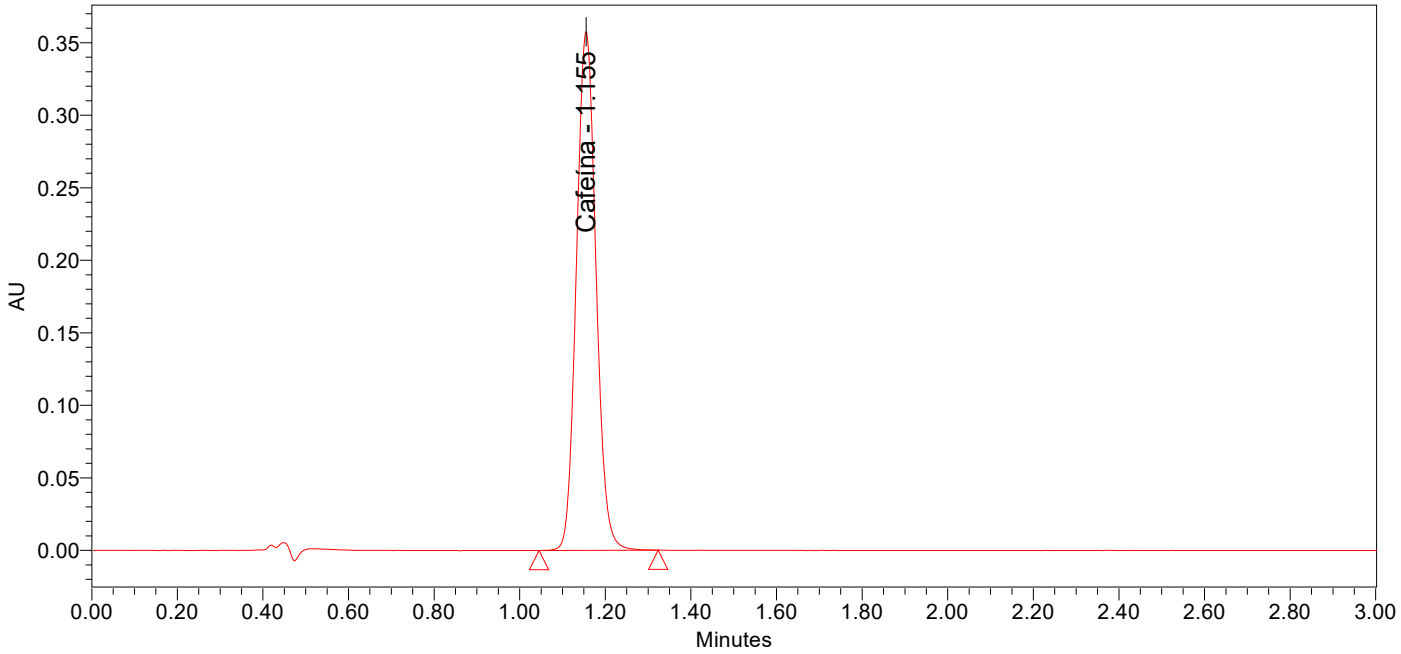
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.156	843535	265445		

SAMPLE INFORMATION

Sample Name:	LDUV 05	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	8	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 3:30:10 PM -03		
Date Processed:	10/16/2026 11:14:06 AM -03		

Auto-Scaled Chromatogram



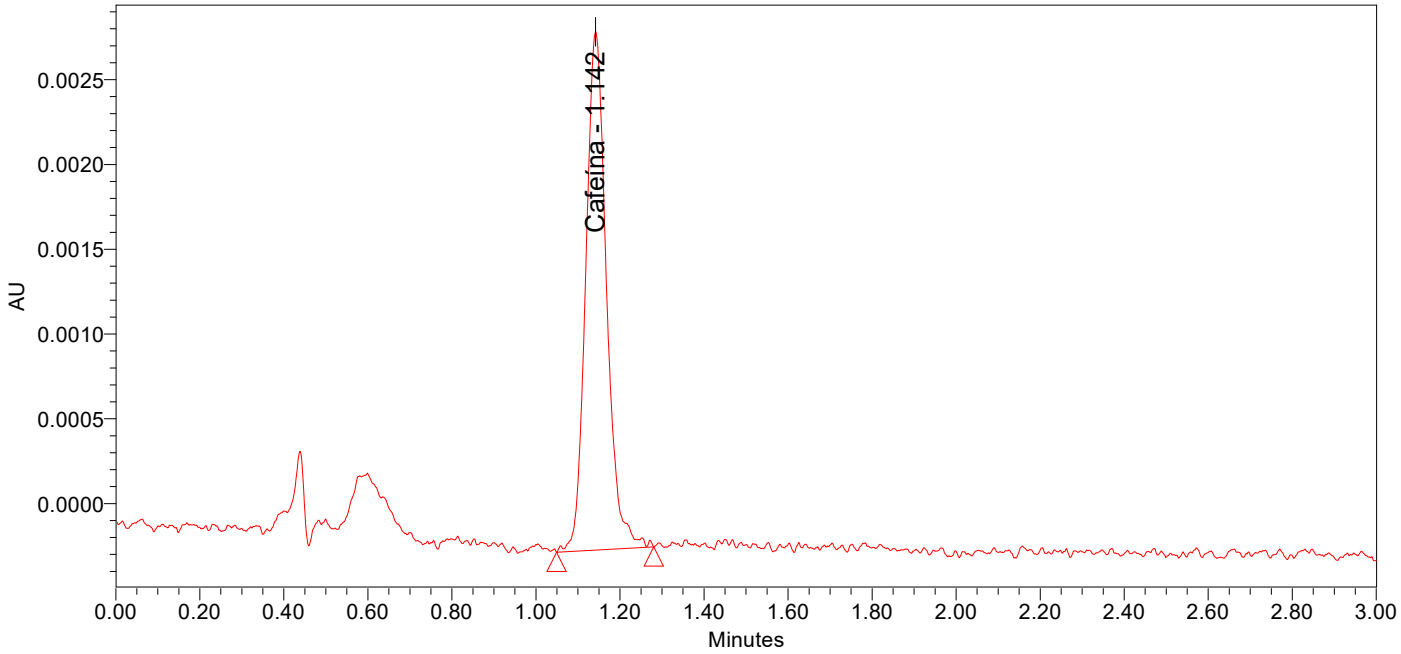
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.155	1135828	357617		

SAMPLE INFORMATION

Sample Name:	LIIN 01	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	10	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	0.10 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 3:55:31 PM -03		
Date Processed:	10/16/2026 11:14:05 AM -03		

Auto-Scaled Chromatogram



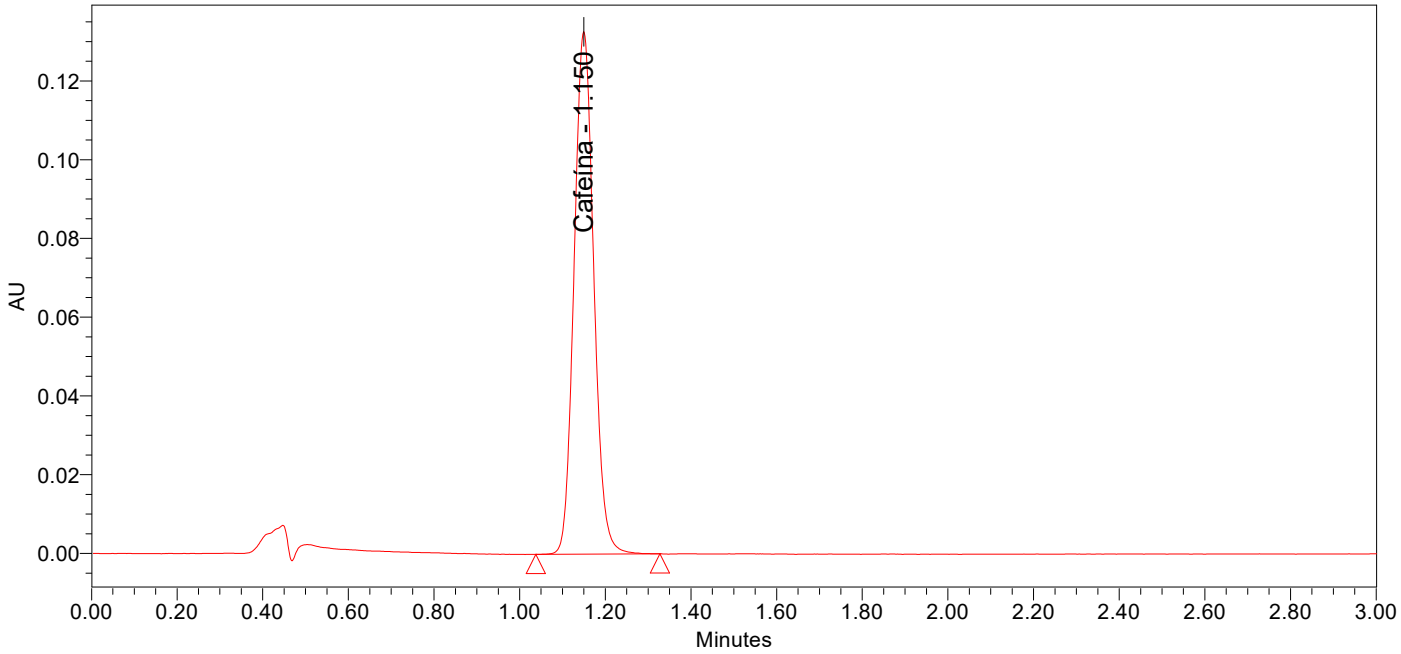
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.142	10505	3057		

SAMPLE INFORMATION

Sample Name:	LIIN 02	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	10	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	5.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 3:59:34 PM -03		
Date Processed:	10/16/2026 11:14:05 AM -03		

Auto-Scaled Chromatogram



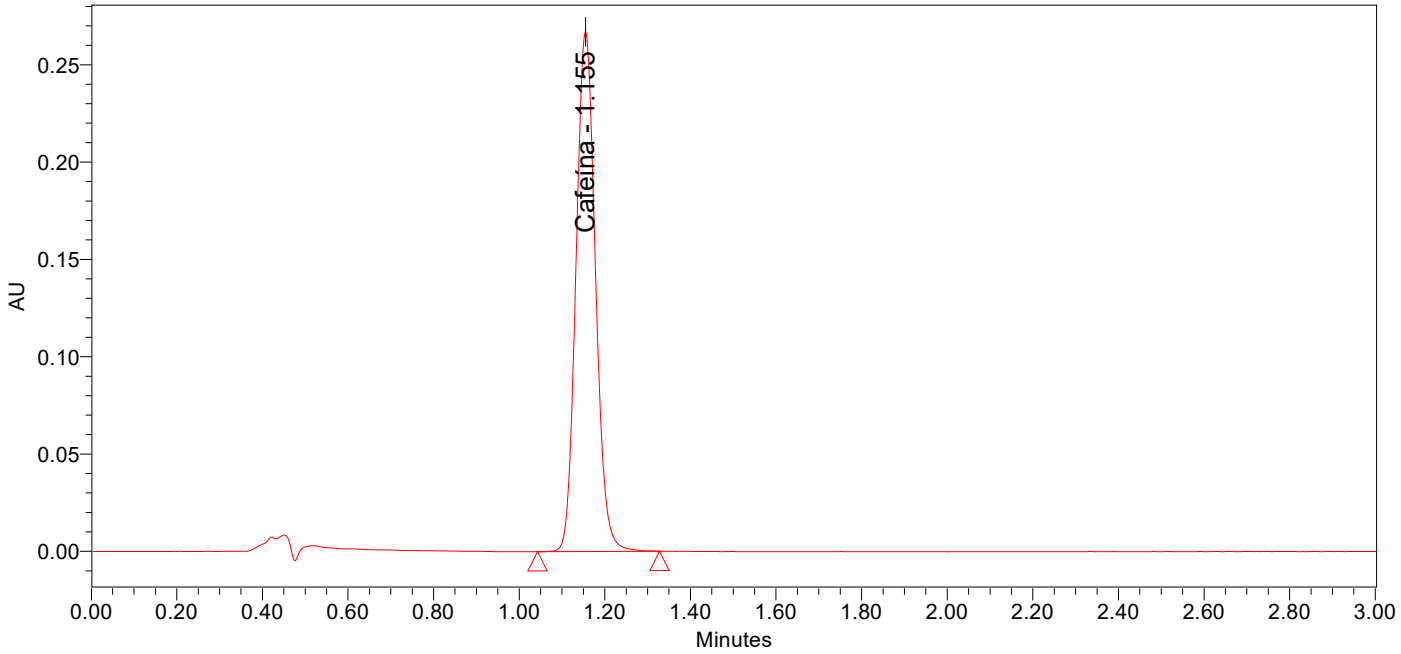
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.150	423334	132730		

SAMPLE INFORMATION

Sample Name:	LIIN 03	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	10	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	10.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 4:03:42 PM -03		
Date Processed:	10/16/2026 11:14:05 AM -03		

Auto-Scaled Chromatogram



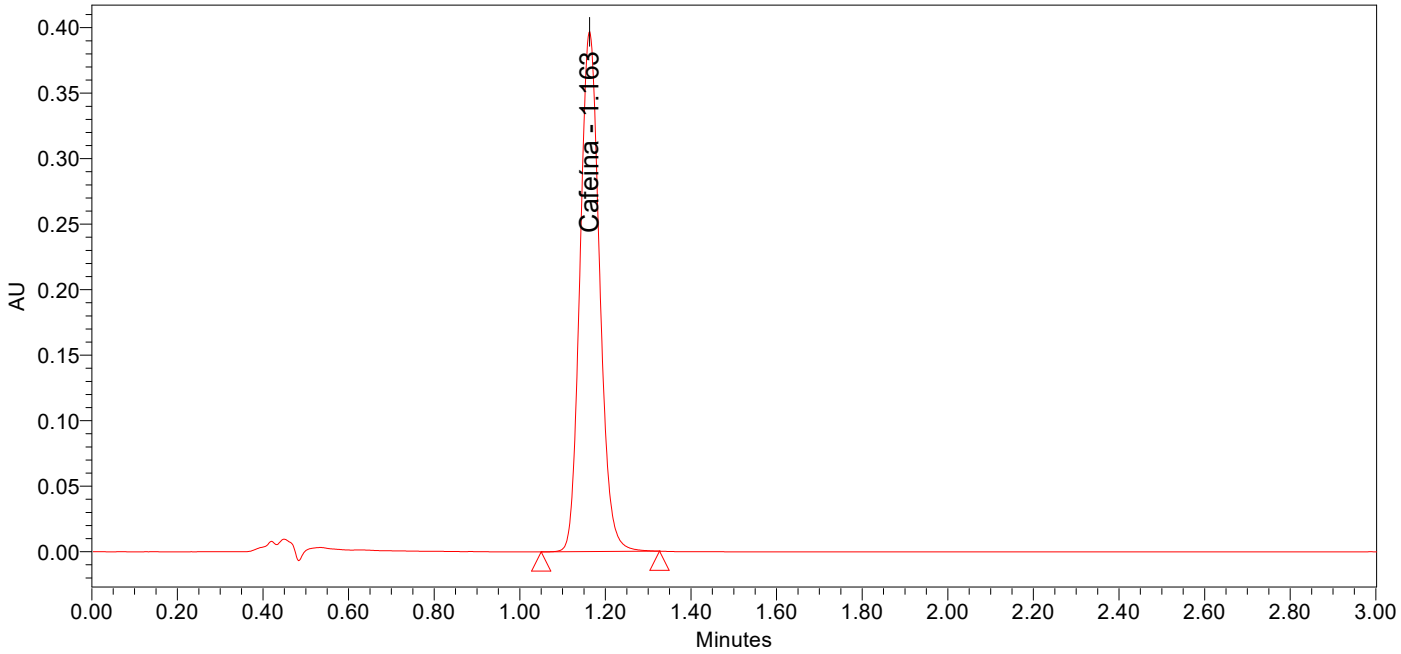
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.155	842994	267118		

SAMPLE INFORMATION

Sample Name:	LIIN 04	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	10	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	15.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 4:07:50 PM -03		
Date Processed:	10/16/2026 11:14:05 AM -03		

Auto-Scaled Chromatogram



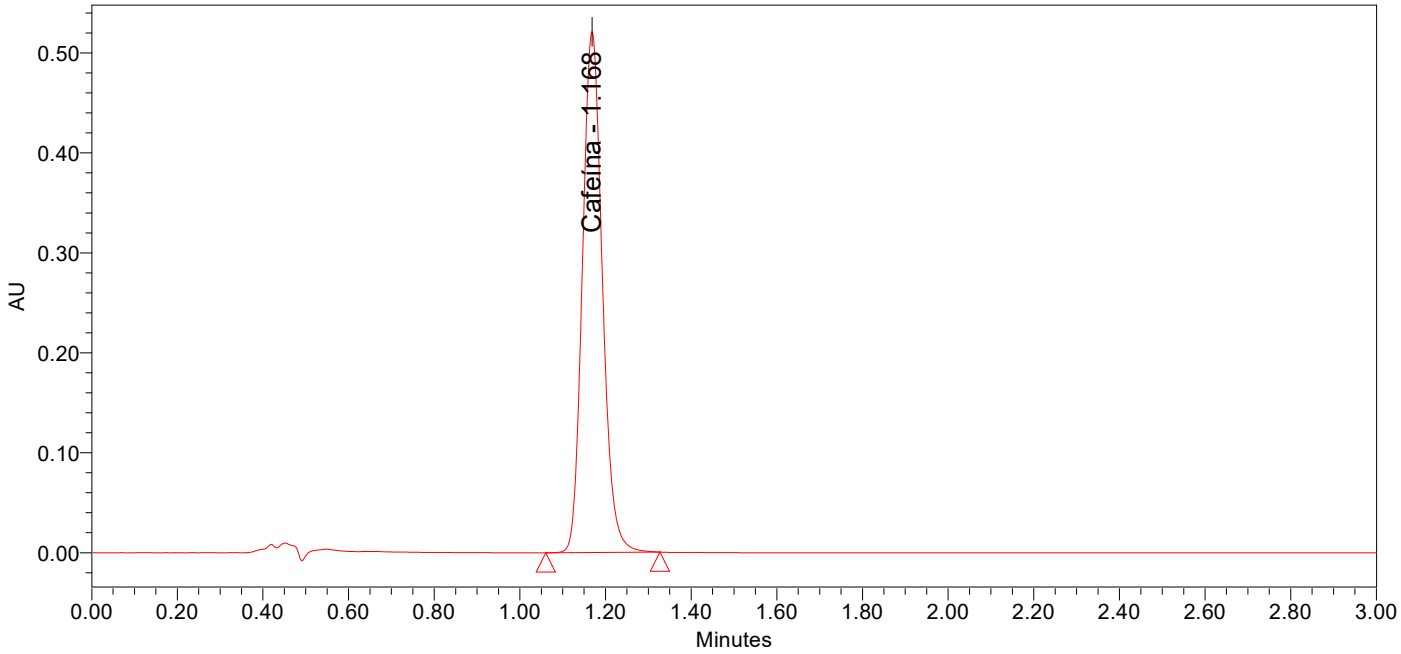
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.163	1260436	396971		

SAMPLE INFORMATION

Sample Name:	LIIN 05	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001_Qualificação
Vial:	10	Acq. Method Set:	HPL001_QPACK_OQ_GERAL
Injection #:	1	Processing Method:	Qualificação HPL001
Injection Volume:	20.00 ul	Channel Name:	DAD.0.0
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/15/2026 4:12:04 PM -03		
Date Processed:	10/16/2026 11:14:05 AM -03		

Auto-Scaled Chromatogram



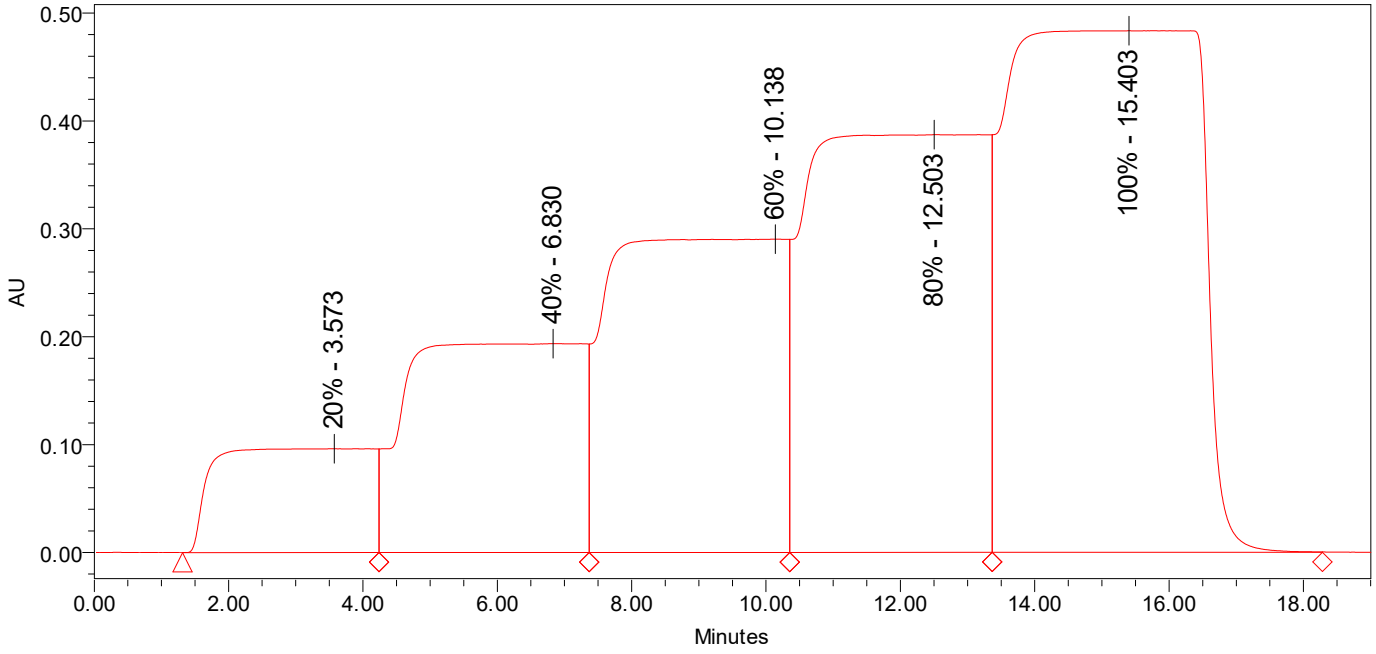
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeína	1.168	1680356	521176		

SAMPLE INFORMATION

Sample Name:	Gradiente AB	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001 Gradiente
Vial:	2	Acq. Method Set:	HPL001_QPACK_GRAD_AB
Injection #:	1	Processing Method:	Gradiente
Injection Volume:	0.00 ul	Channel Name:	DAD.0.0
Run Time:	19.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/16/2026 12:18:39 PM -03		
Date Processed:	10/16/2026 1:32:00 PM -03		

Auto-Scaled Chromatogram



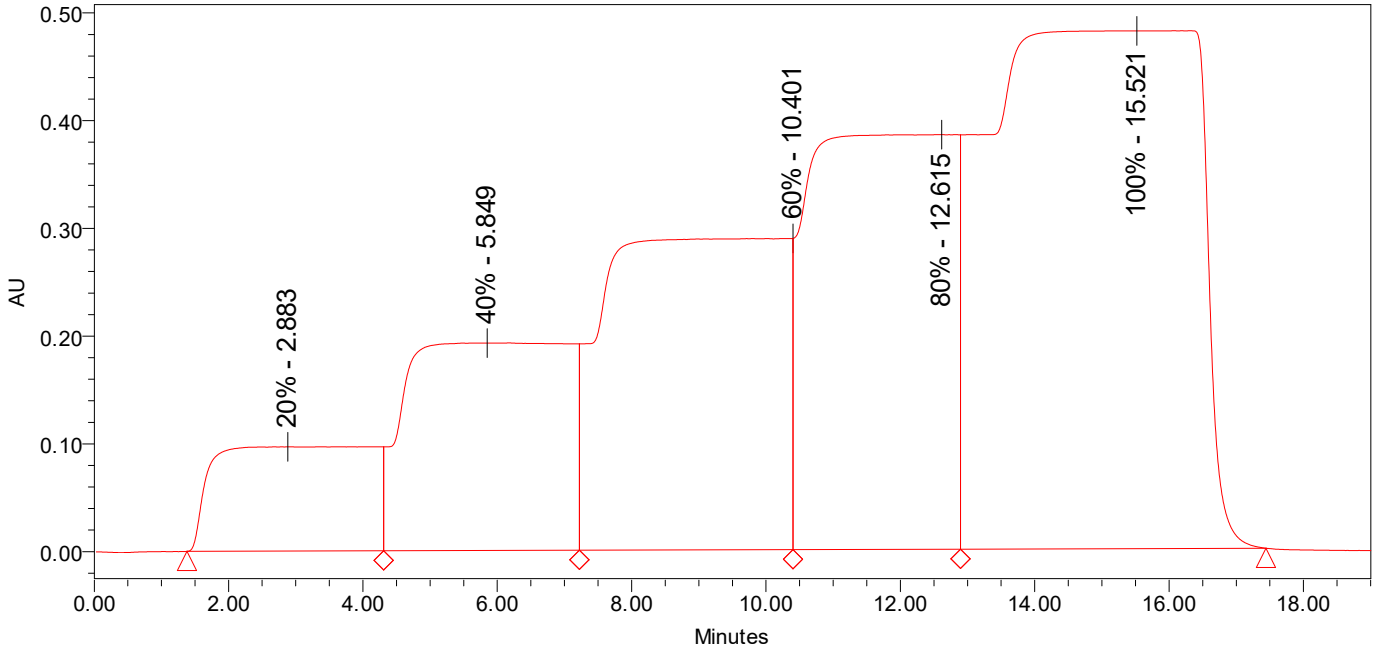
Peak Results

	Name	RT	Area	Height	Amount	Units
1	20%	3.573	15024801	96212		
2	40%	6.830	33955509	193611		
3	60%	10.138	50426762	290359		
4	80%	12.503	68311176	387136		
5	100%	15.403	93216172	483359		

SAMPLE INFORMATION

Sample Name:	Gradiente CD	Acquired By:	fatima.silveira
Sample Type:	Unknown	Sample Set Name:	HPL001 Gradiente
Vial:	2	Acq. Method Set:	HPL001_QPACK_GRAD_CD
Injection #:	1	Processing Method:	Gradiente
Injection Volume:	0.00 ul	Channel Name:	DAD.0.0
Run Time:	19.0 Minutes	Proc. Chnl. Descr.:	DAD: Signal A, 273 nm/Bw:4 nm
Date Acquired:	10/16/2026 12:38:20 PM -03		
Date Processed:	10/16/2026 1:38:10 PM -03		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	Height	Amount	Units
1	20%	2.883	15522391	96805		
2	40%	5.849	31753224	192624		
3	60%	10.401	52612118	288902		
4	80%	12.615	56203221	384829		
5	100%	15.521	103430937	480597		