Filepath C:\Chromel\data\Qualificação\2022\EDUV.SEQ\3DFIELD.CHL\21131.dad
Channel UV_VIS_1

Sample Information:
Datasource EVCHPLCPC02_local
Sequence Qualificação\2022\EDUV.SEQ
Sample EDUV
Sample Number 1
Sample Position GA6
Sample ID 21131
Comment
QNT method Qualificação
PGM file Qualificação
Type standard
Status finished
Date 05/07/2022
Time 16:52:49
Injection Volume (µl) 10,00
Dilution Factor 1,000000
Amount 1,000000
Weight 1,000000

Spectrum Header Information:
Data points: 101
Wavelength Min. (nm) 200,00
Wavelength Max. (nm) 300,00
Wavelength Resolution (nm) 1,00
Calculated Wavelength Resolution (nm) 0,50
Retention Time (min) 1,491
Time Step (sec) 0,200
Bkg1 RT (min): 0,59
Bkg2 RT (min): 2,93

Raw Data:
Wvl.(nm) Value(mAU)
200,0 221,986963
200,5 225,447796
201,0 228,515877
201,5 230,908777
202,0 232,785358
202,5 234,338041
203,0 235,452189
203,5 235,993958
204,0 236,059739
204,5 235,744917
205,0 234,910621
205,5 233,413760
206,0 231,328620
206,5 228,768146
207,0 225,782527
207,5 222,388202
208,0 218,529357
208,5 214,167899

| | |
|---|---|
| 209,0 | 209,408892 |
| 209,5 | 204,374519 |
| 210,0 | 199,112308 |
| 210,5 | 193,647165 |
| 211,0 | 187,988173 |
| 211,5 | 182,150621 |
| 212,0 | 176,190446 |
| 212,5 | 170,160930 |
| 213,0 | 164,064059 |
| 213,5 | 157,900543 |
| 214,0 | 151,717255 |
| 214,5 | 145,565836 |
| 215,0 | 139,470824 |
| 215,5 | 133,449329 |
| 216,0 | 127,515860 |
| 216,5 | 121,685467 |
| 217,0 | 115,977950 |
| 217,5 | 110,423049 |
| 218,0 | 105,085498 |
| 218,5 | 100,028317 |
| 219,0 | 95,272666 |
| 219,5 | 90,834002 |
| 220,0 | 86,746817 |
| 220,5 | 83,042274 |
| 221,0 | 79,719191 |
| 221,5 | 76,748575 |
| 222,0 | 74,022536 |
| 222,5 | 71,461527 |
| 223,0 | 69,178287 |
| 223,5 | 67,277675 |
| 224,0 | 65,640751 |
| 224,5 | 64,130607 |
| 225,0 | 62,762264 |
| 225,5 | 61,569740 |
| 226,0 | 60,511116 |
| 226,5 | 59,532561 |
| 227,0 | 58,608535 |
| 227,5 | 57,722710 |
| 228,0 | 56,867305 |
| 228,5 | 56,034341 |
| 229,0 | 55,206481 |
| 229,5 | 54,364918 |
| 230,0 | 53,494337 |
| 230,5 | 52,582595 |
| 231,0 | 51,626745 |
| 231,5 | 50,628991 |
| 232,0 | 49,602929 |
| 232,5 | 48,560453 |
| 233,0 | 47,495249 |
| 233,5 | 46,397899 |
| 234,0 | 45,264783 |
| 234,5 | 44,098902 |
| 235,0 | 42,923930 |
| 235,5 | 41,761533 |

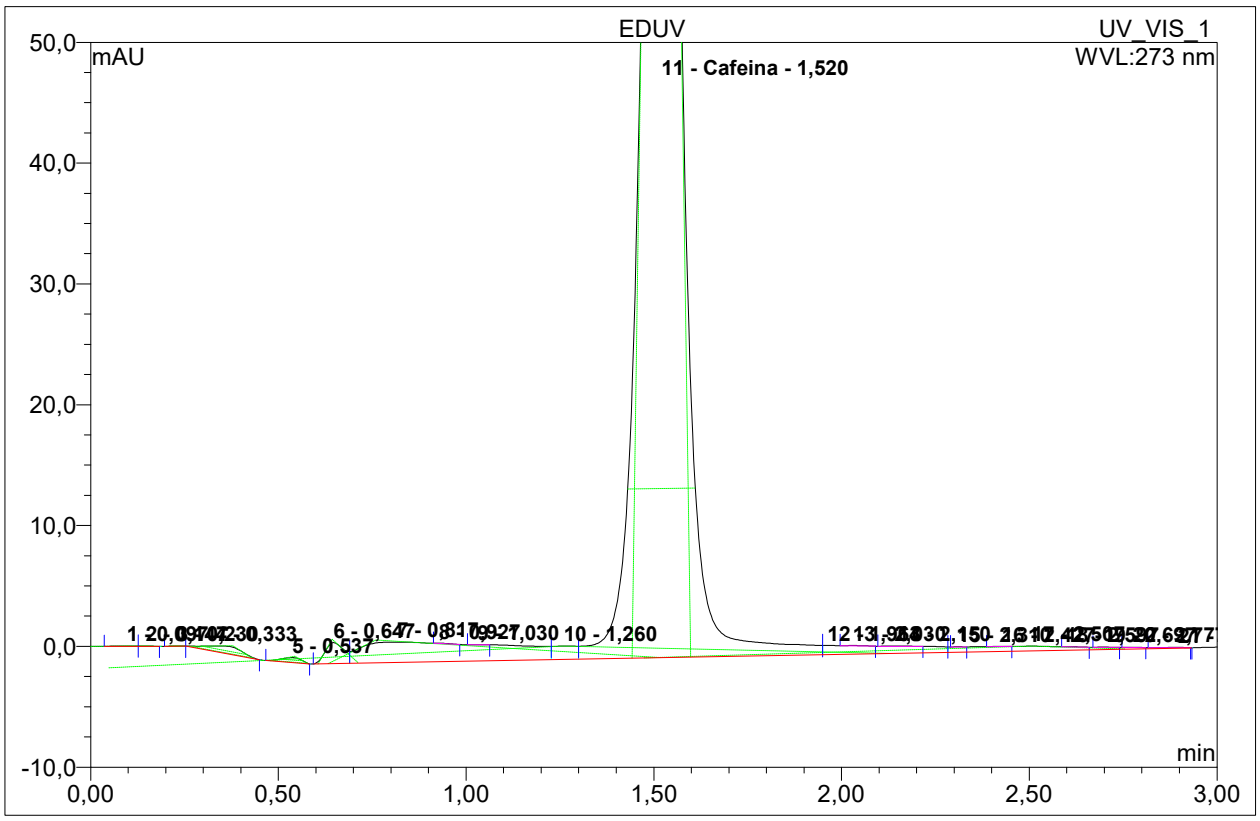
236,0 40,604653
236,5 39,445515
237,0 38,302185
237,5 37,194774
238,0 36,125722
238,5 35,093263
239,0 34,096481
239,5 33,138489
240,0 32,237651
240,5 31,411856
241,0 30,661823
241,5 29,987709
242,0 29,404582
242,5 28,928078
243,0 28,561177
243,5 28,303391
244,0 28,153004
244,5 28,110962
245,0 28,190078
245,5 28,400175
246,0 28,727235
246,5 29,155904
247,0 29,689314
247,5 30,332248
248,0 31,077625
248,5 31,916680
249,0 32,845797
249,5 33,863386
250,0 34,970822
250,5 36,167133
251,0 37,438991
251,5 38,774226
252,0 40,177646
252,5 41,656163
253,0 43,208125
253,5 44,828722
254,0 46,509090
254,5 48,238646
255,0 50,004008
255,5 51,797517
256,0 53,637210
256,5 55,538495
257,0 57,480577
257,5 59,439266
258,0 61,412994
258,5 63,405247
259,0 65,417115
259,5 67,445866
260,0 69,475893
260,5 71,492100
261,0 73,494320
261,5 75,485286
262,0 77,464406
262,5 79,428702

263,0 81,368988
263,5 83,274525
264,0 85,134571
264,5 86,940415
265,0 88,691478
265,5 90,387937
266,0 92,024868
266,5 93,596838
267,0 95,101481
267,5 96,534306
268,0 97,879237
268,5 99,120413
269,0 100,254422
269,5 101,279625
270,0 102,189011
270,5 102,973883
271,0 103,624171
271,5 104,130316
272,0 104,486174
272,5 104,689415
273,0 104,749567
273,5 104,672601
274,0 104,438430
274,5 104,027484
275,0 103,448338
275,5 102,713696
276,0 101,824647
276,5 100,780714
277,0 99,586791
277,5 98,248898
278,0 96,772200
278,5 95,160117
279,0 93,409961
279,5 91,522104
280,0 89,515274
280,5 87,405446
281,0 85,179215
281,5 82,819156
282,0 80,321138
282,5 77,691419
283,0 74,964528
283,5 72,170501
284,0 69,293145
284,5 66,314236
285,0 63,253645
285,5 60,139598
286,0 56,995634
286,5 53,841382
287,0 50,685528
287,5 47,537151
288,0 44,417861
288,5 41,352790
289,0 38,368645
289,5 35,487162

290,0 32,708647
290,5 30,032775
291,0 27,478160
291,5 25,063318
292,0 22,787453
292,5 20,646705
293,0 18,644274
293,5 16,785286
294,0 15,075506
294,5 13,517290
295,0 12,098730
295,5 10,806649
296,0 9,637058
296,5 8,587392
297,0 7,651568
297,5 6,821018
298,0 6,080747
298,5 5,419054
299,0 4,843831
299,5 4,357467
300,0 4,843831

# 1 EDUV

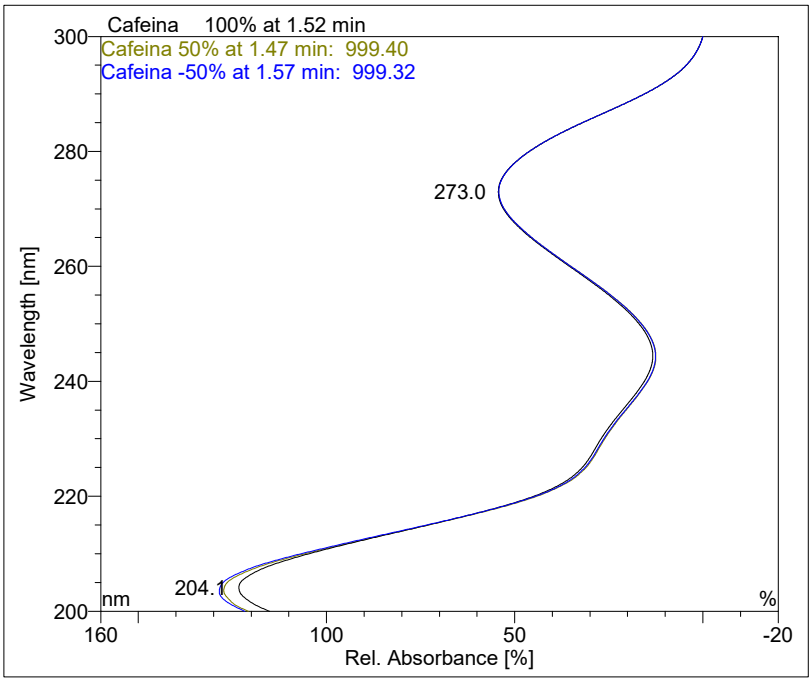
| | | | |
|---|---|---|---|
| *Sample Name:* | **EDUV** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA6** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 16:52** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |




| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 0,097 | n.a. | 0,002 | n.a. | -0,89 | 0,31 | n.a. | 3 |
| 2 | 0,147 | n.a. | 0,001 | n.a. | -0,84 | n.a. | n.a. | 35 |
| 3 | 0,230 | n.a. | 0,000 | n.a. | -0,74 | n.a. | 0,86 | n.a. |
| 4 | 0,333 | n.a. | 0,064 | n.a. | -0,63 | 1,48 | 1,20 | 58 |
| 5 | 0,537 | n.a. | 0,025 | n.a. | -0,40 | 1,06 | 0,86 | 456 |
| 6 | 0,647 | n.a. | 0,101 | n.a. | -0,28 | 0,34 | n.a. | 574 |
| 7 | 0,817 | n.a. | 0,750 | n.a. | -0,09 | 0,30 | n.a. | 14 |
| 8 | 0,927 | n.a. | 0,001 | n.a. | 0,03 | n.a. | n.a. | n.a. |
| 9 | 1,030 | n.a. | 0,000 | n.a. | 0,15 | n.a. | n.a. | n.a. |
| 10 | 1,260 | n.a. | 0,080 | n.a. | 0,41 | 0,23 | n.a. | 6 |
| 11 | 1,520 | Cafeina | 14,556 | 1,00000 | 0,70 | n.a. | 1,01 | 1513 |
| 12 | 1,963 | n.a. | 0,202 | n.a. | 1,19 | n.a. | n.a. | n.a. |
| 13 | 2,030 | n.a. | 0,002 | n.a. | 1,27 | n.a. | n.a. | n.a. |
| 14 | 2,150 | n.a. | 0,002 | n.a. | 1,40 | n.a. | n.a. | n.a. |
| 15 | 2,310 | n.a. | 0,000 | n.a. | 1,58 | n.a. | n.a. | n.a. |
| 16 | 2,427 | n.a. | 0,001 | n.a. | 1,71 | n.a. | n.a. | n.a. |

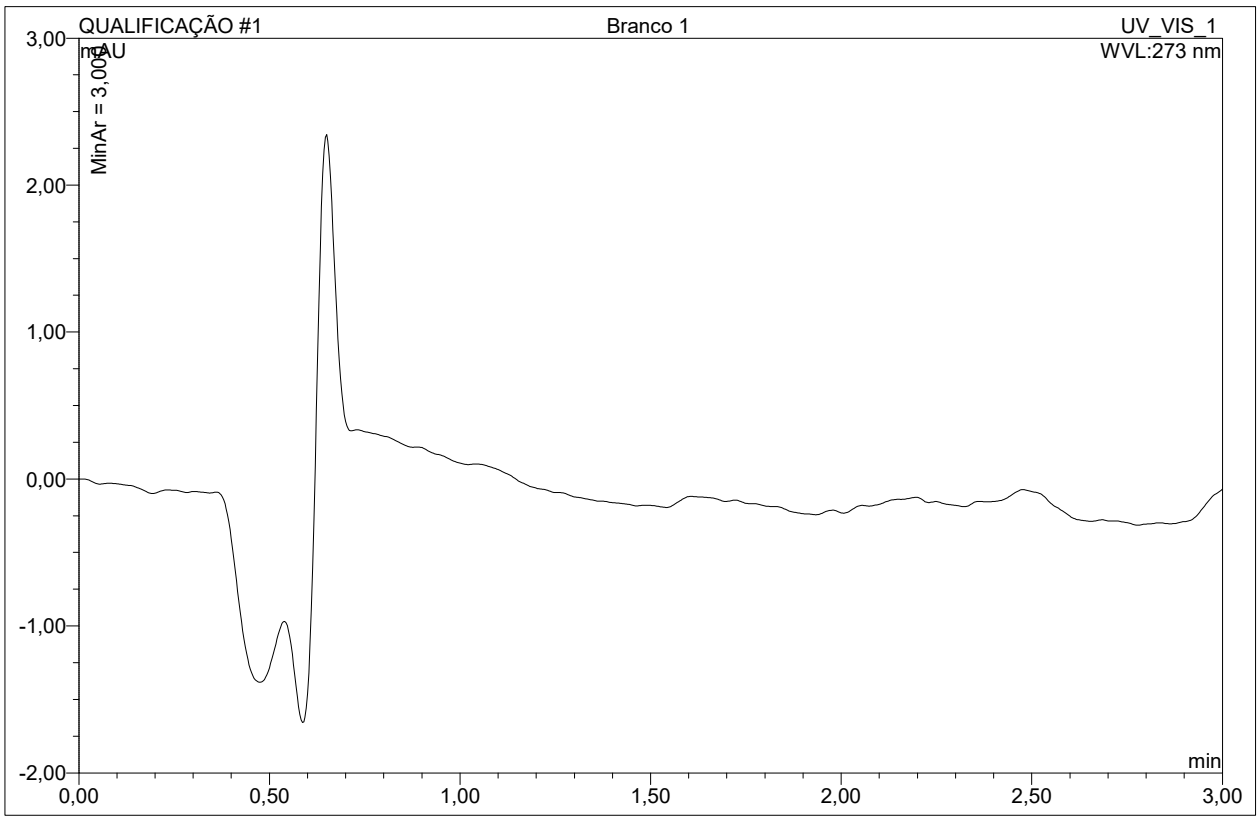

Chromeleon (c) Dionex 1996-2006
Version 6.80 SR16 Build 5387 (291597)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 17 | 2,507 | n.a. | 0,163 | n.a. | 1,80 | n.a. | n.a. | 61 |
| 18 | 2,597 | n.a. | 0,001 | n.a. | 1,90 | n.a. | n.a. | n.a. |
| 19 | 2,697 | n.a. | 0,001 | n.a. | 2,01 | n.a. | n.a. | n.a. |
| 20 | 2,777 | n.a. | 0,001 | n.a. | 2,10 | n.a. | n.a. | n.a. |
| 21 | 2,897 | n.a. | 0,002 | n.a. | 2,23 | n.a. | n.a. | n.a. |
| **SUM** | | | 0,760 | 1,000 | 0,695 | 0,62 | 0,98 | 302 |


Cafeina 100% at 1.52 min
Cafeina 50% at 1.47 min: 999.40
Cafeina -50% at 1.57 min: 999.32
273.0
204.1
nm
%
Wavelength [nm]
300
280
260
240
220
200
160
100
50
-20
Rel. Absorbance [%]

# 1 Branco 1

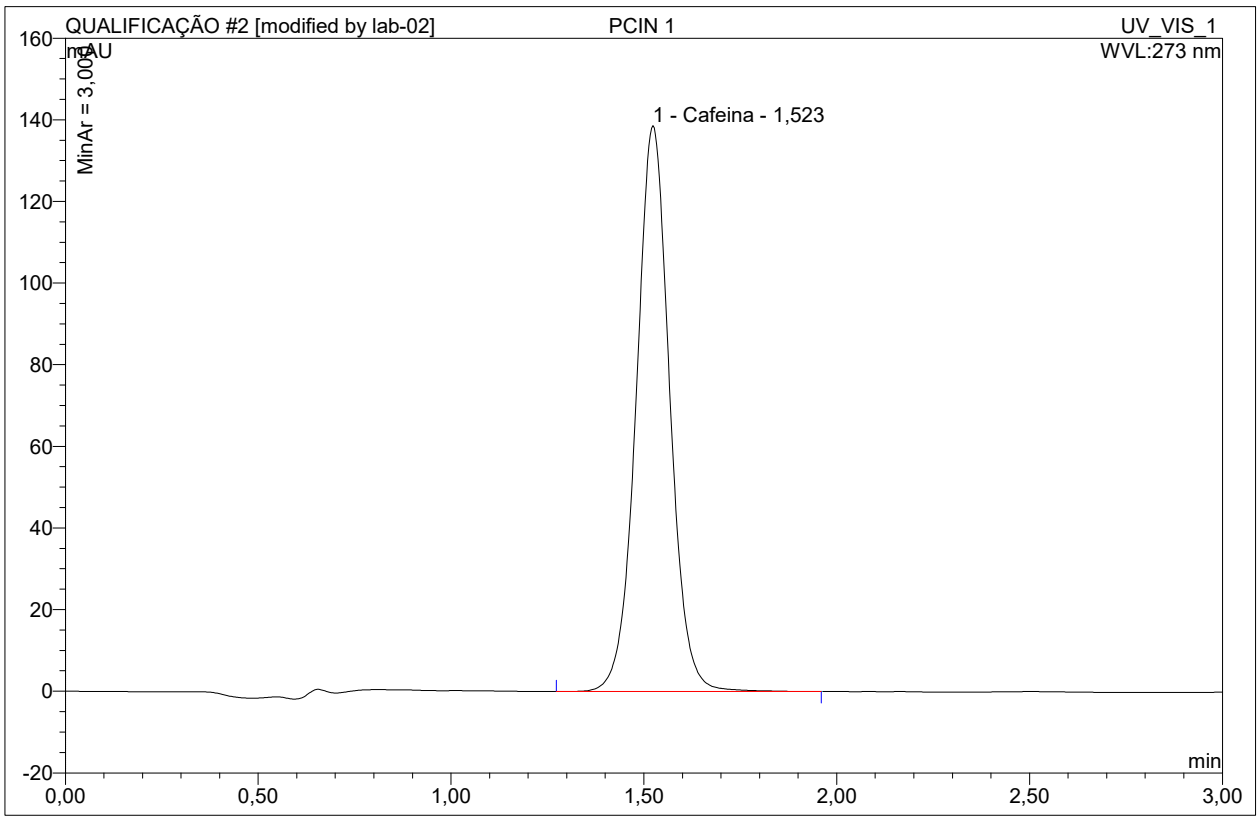
| | | | |
|---|---|---|---|
| *Sample Name:* | **Branco 1** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA1** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 17:01** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |




| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| n.a. | n.a. | Cafeina | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| **SUM** | | | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |

# 2 PCIN 1

| | | | |
|---|---|---|---|
| *Sample Name:* | **PCIN 1** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA6** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 17:05** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

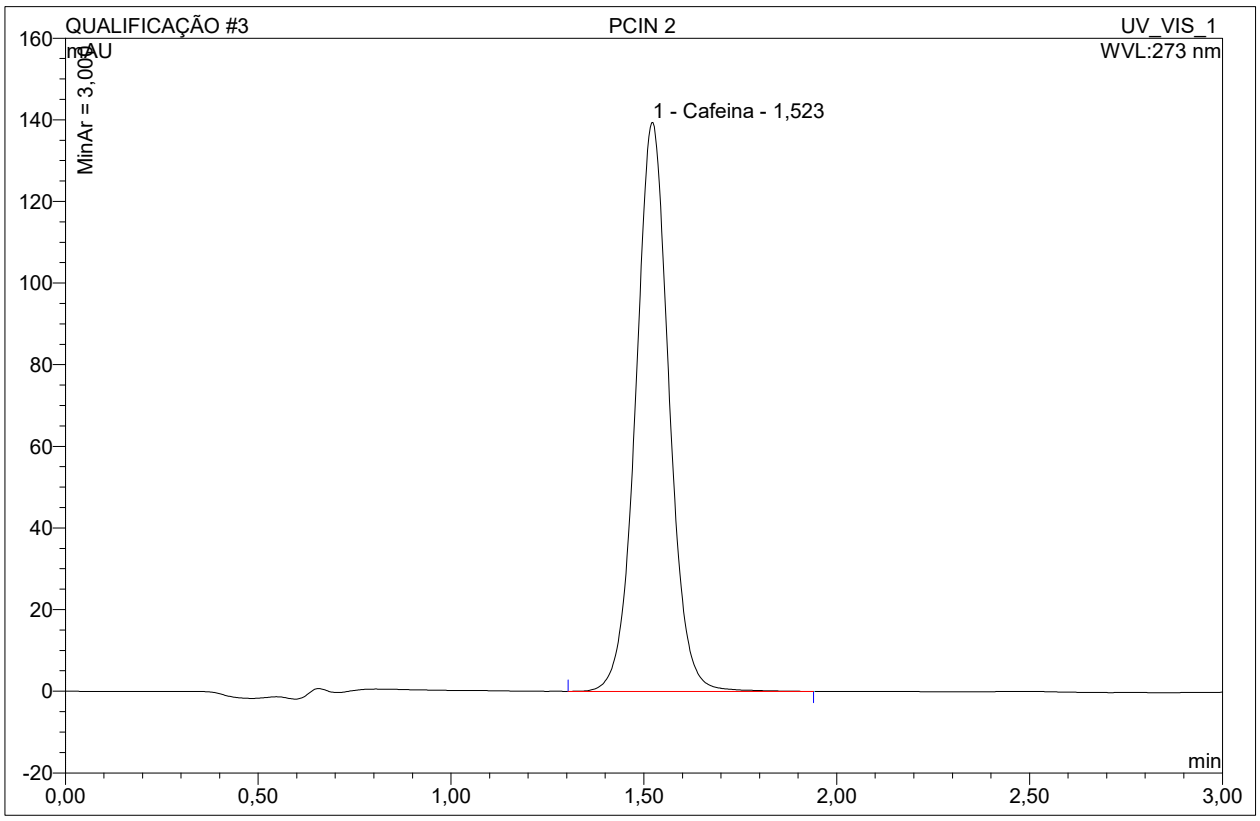



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,523 | Cafeina | 13,946 | 1,04386 | 0,70 | n.a. | 1,03 | 1535 |
| **SUM** | | | 13,946 | 1,044 | 0,700 | n.a. | 1,03 | 1535 |



# 3 PCIN 2

| | | | |
|---|---|---|---|
| *Sample Name:* | **PCIN 2** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA6** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 17:09** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

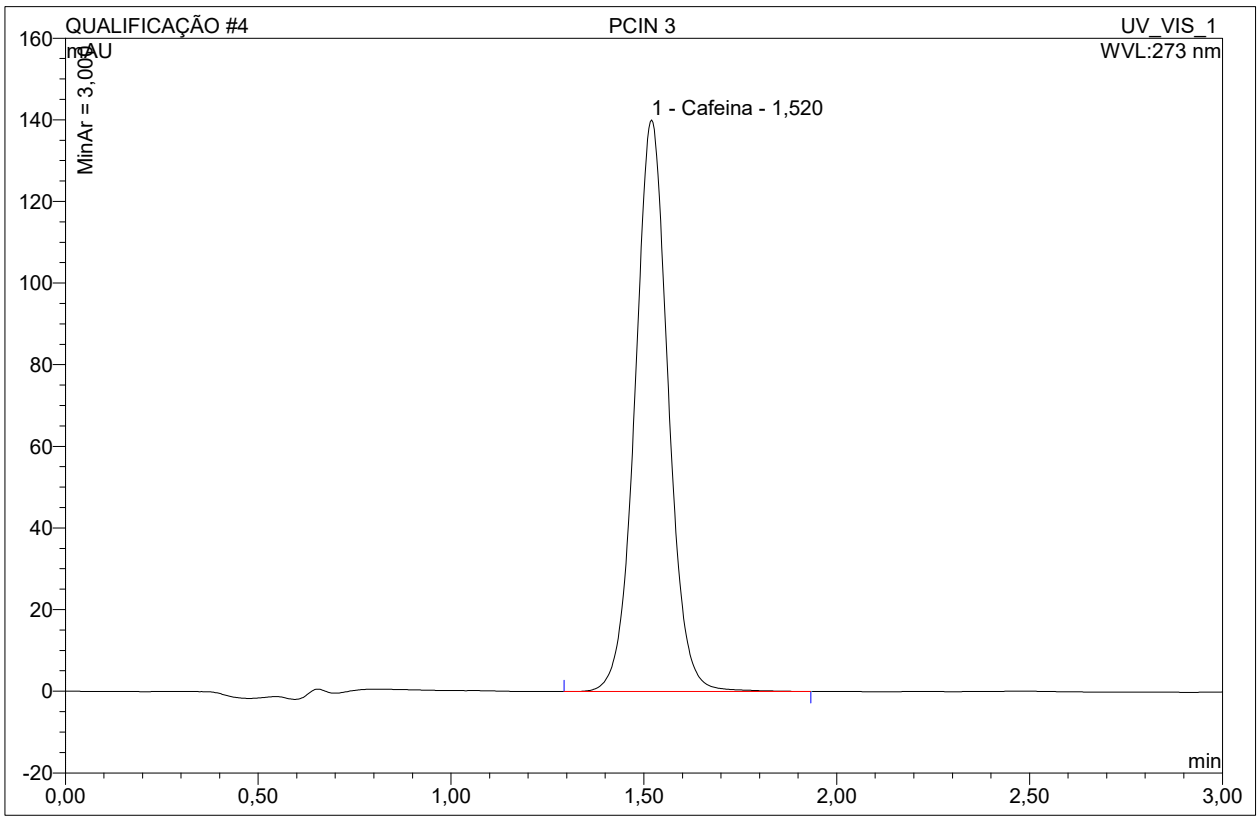



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,523 | Cafeina | 13,917 | 1,04170 | 0,70 | n.a. | 1,02 | 1562 |
| **SUM** | | | 13,917 | 1,042 | 0,700 | n.a. | 1,02 | 1562 |



# 4 PCIN 3

| | | | |
|---|---|---|---|
| *Sample Name:* | **PCIN 3** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA6** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 17:13** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

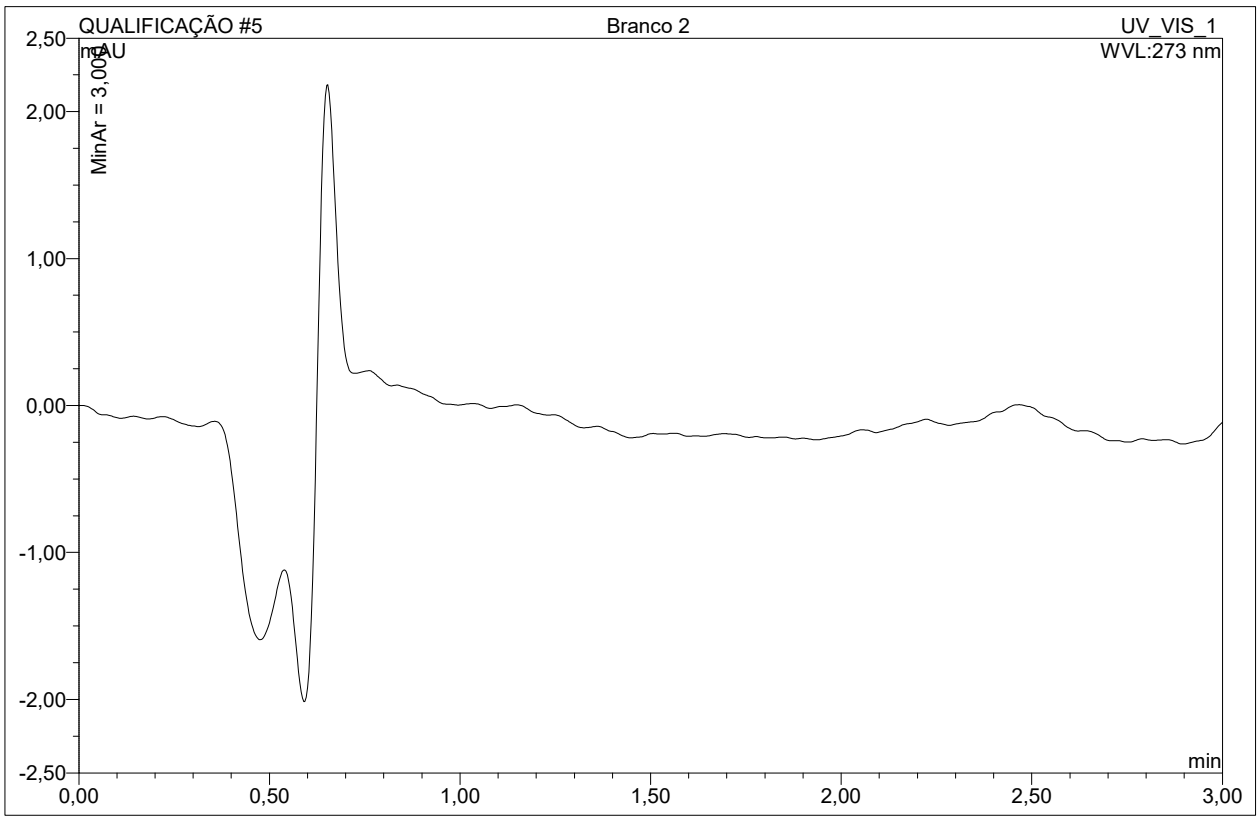



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,520 | Cafeina | 13,941 | 1,04350 | 0,70 | n.a. | 1,03 | 1559 |
| **SUM** | | | 13,941 | 1,044 | 0,696 | n.a. | 1,03 | 1559 |



# 5 Branco 2

| | | | |
|---|---|---|---|
| *Sample Name:* | **Branco 2** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA1** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 17:17** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

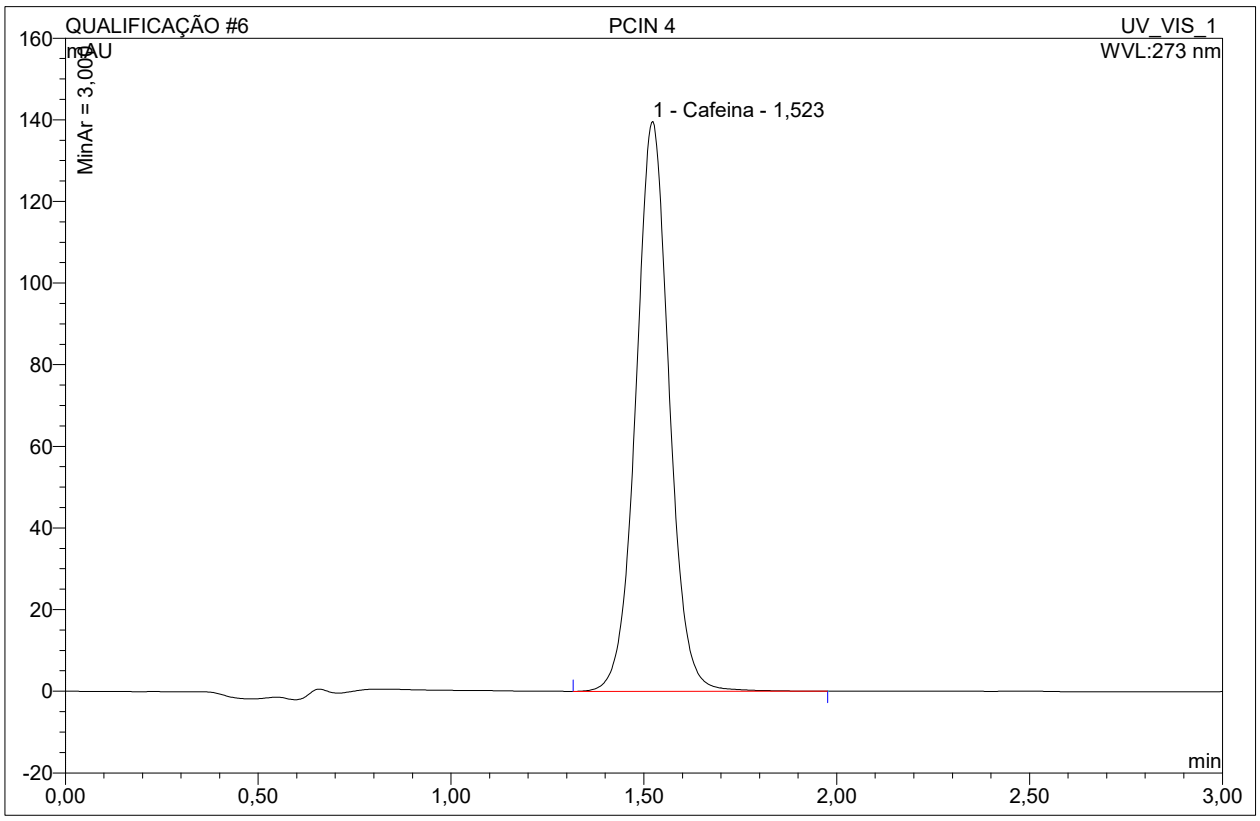



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| n.a. | n.a. | Cafeina | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| **SUM** | | | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |



# 6 PCIN 4

| | | | |
|---|---|---|---|
| *Sample Name:* | **PCIN 4** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA6** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 17:20** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

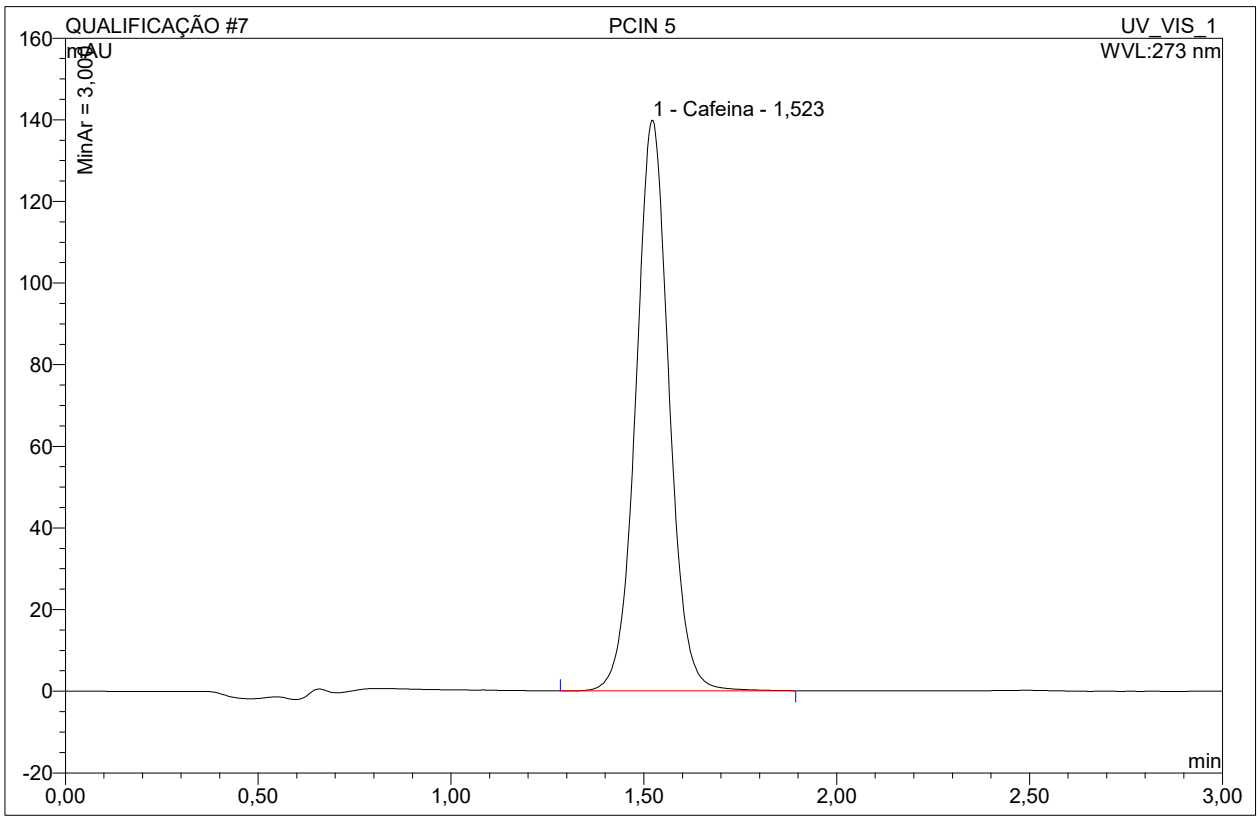



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,523 | Cafeina | 13,938 | 1,04329 | 0,70 | n.a. | 1,02 | 1559 |
| **SUM** | | | 13,938 | 1,043 | 0,700 | n.a. | 1,02 | 1559 |



# 7 PCIN 5

| | | | |
|---|---|---|---|
| *Sample Name:* | **PCIN 5** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA6** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 17:24** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

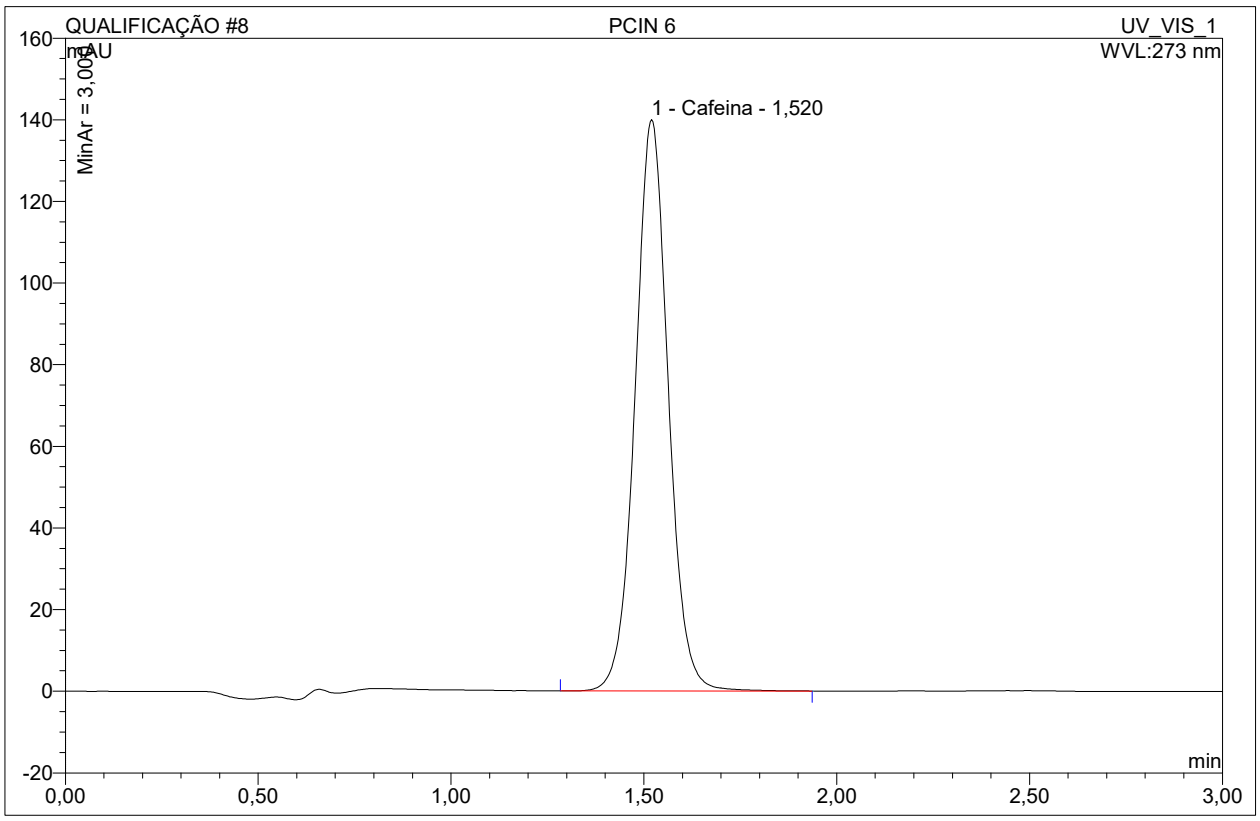



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,523 | Cafeina | 13,914 | 1,04150 | 0,70 | n.a. | 1,02 | 1566 |
| **SUM** | | | 13,914 | 1,042 | 0,700 | n.a. | 1,02 | 1566 |



# 8 PCIN 6

| | | | |
|---|---|---|---|
| *Sample Name:* | **PCIN 6** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA6** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 17:28** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

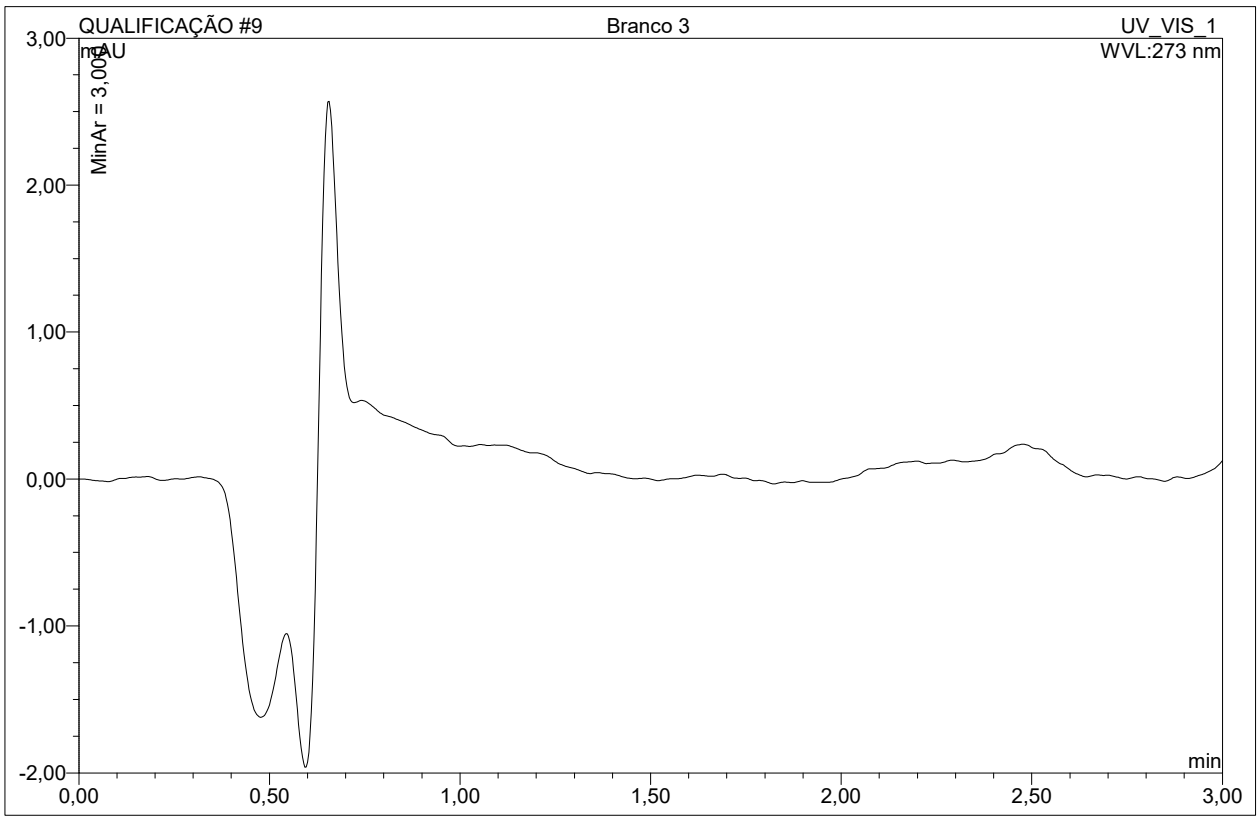



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,520 | Cafeina | 13,913 | 1,04140 | 0,70 | n.a. | 1,04 | 1562 |
| **SUM** | | | 13,913 | 1,041 | 0,696 | n.a. | 1,04 | 1562 |



# 9 Branco 3

| | | | |
|---|---|---|---|
| *Sample Name:* | **Branco 3** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA1** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 17:32** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

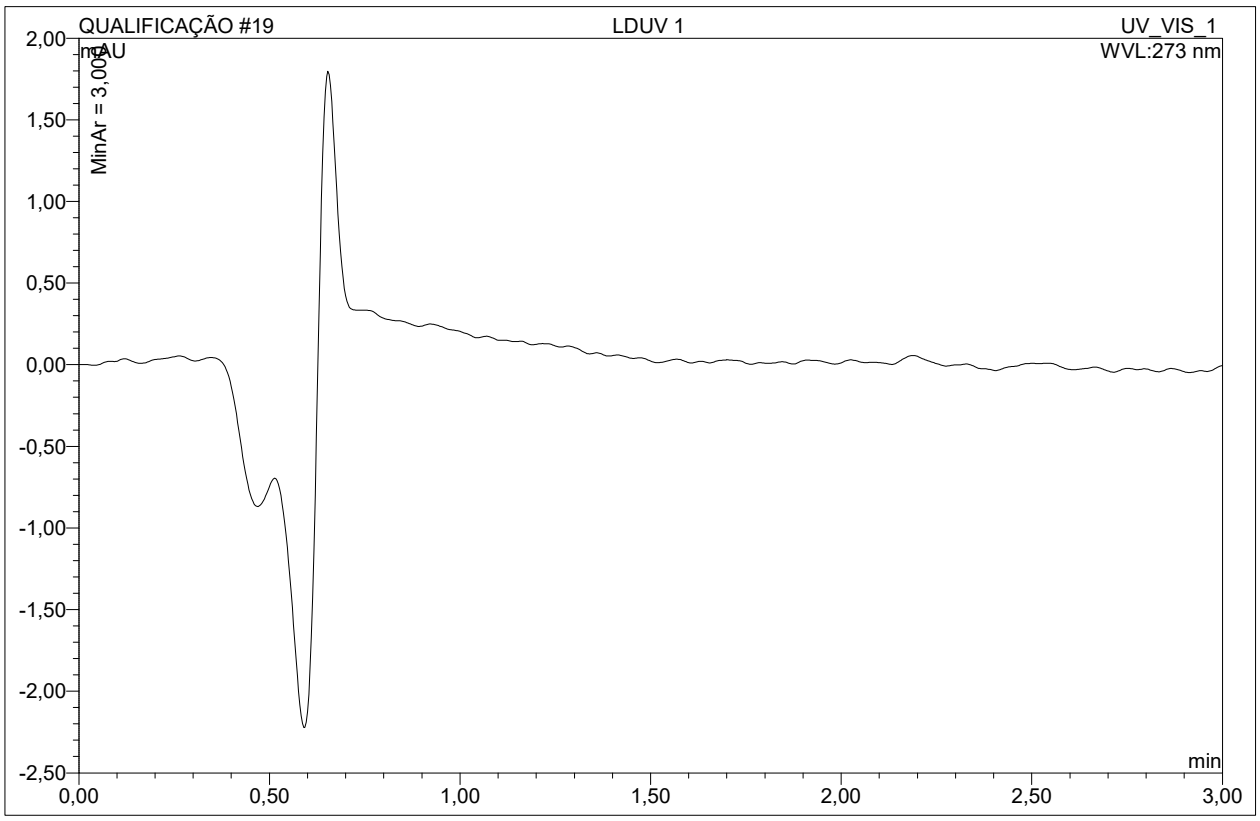



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| n.a. | n.a. | Cafeina | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| **SUM** | | | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |



# 19 LDUV 1

| | | | |
|---|---|---|---|
| *Sample Name:* | **LDUV 1** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA1** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 18:11** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

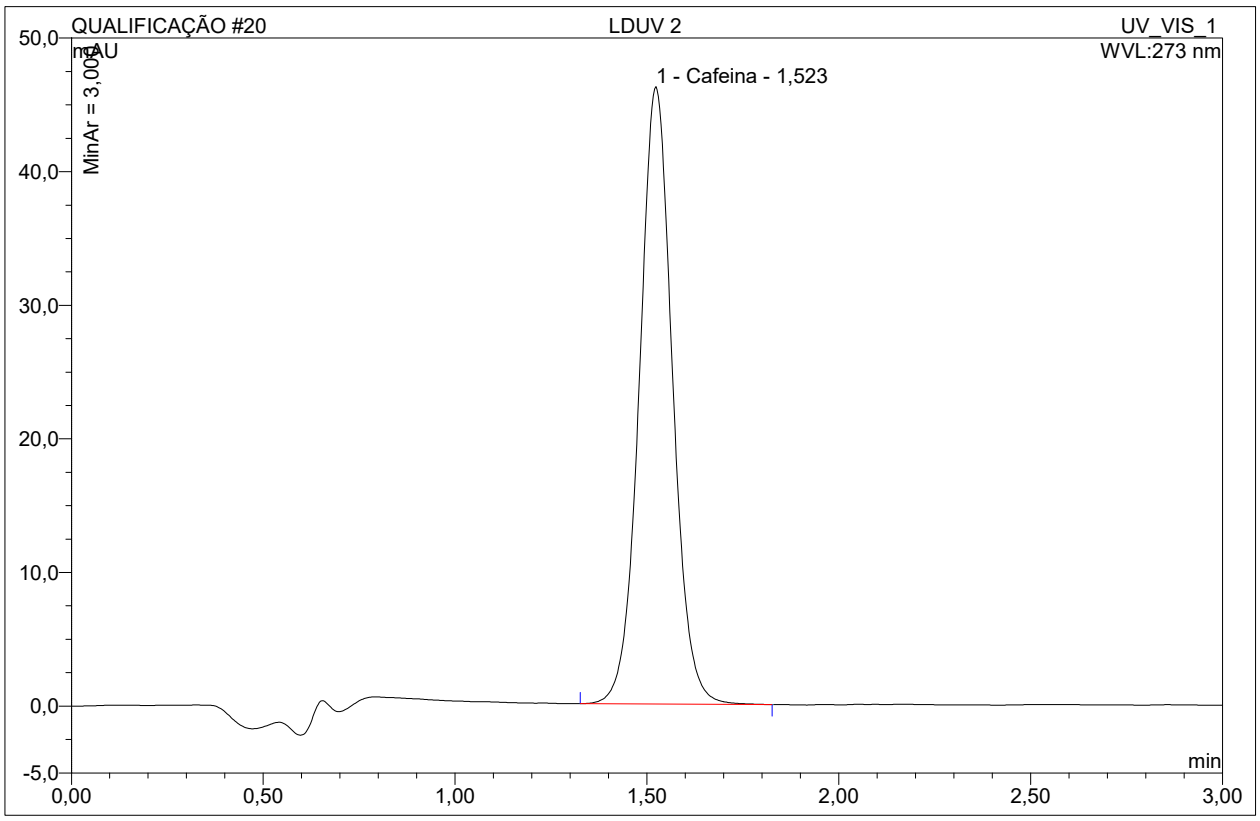



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| n.a. | n.a. | Cafeina | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| **SUM** | | | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |



# 20 LDUV 2

| | | | |
|---|---|---|---|
| *Sample Name:* | **LDUV 2** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA2** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 18:15** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

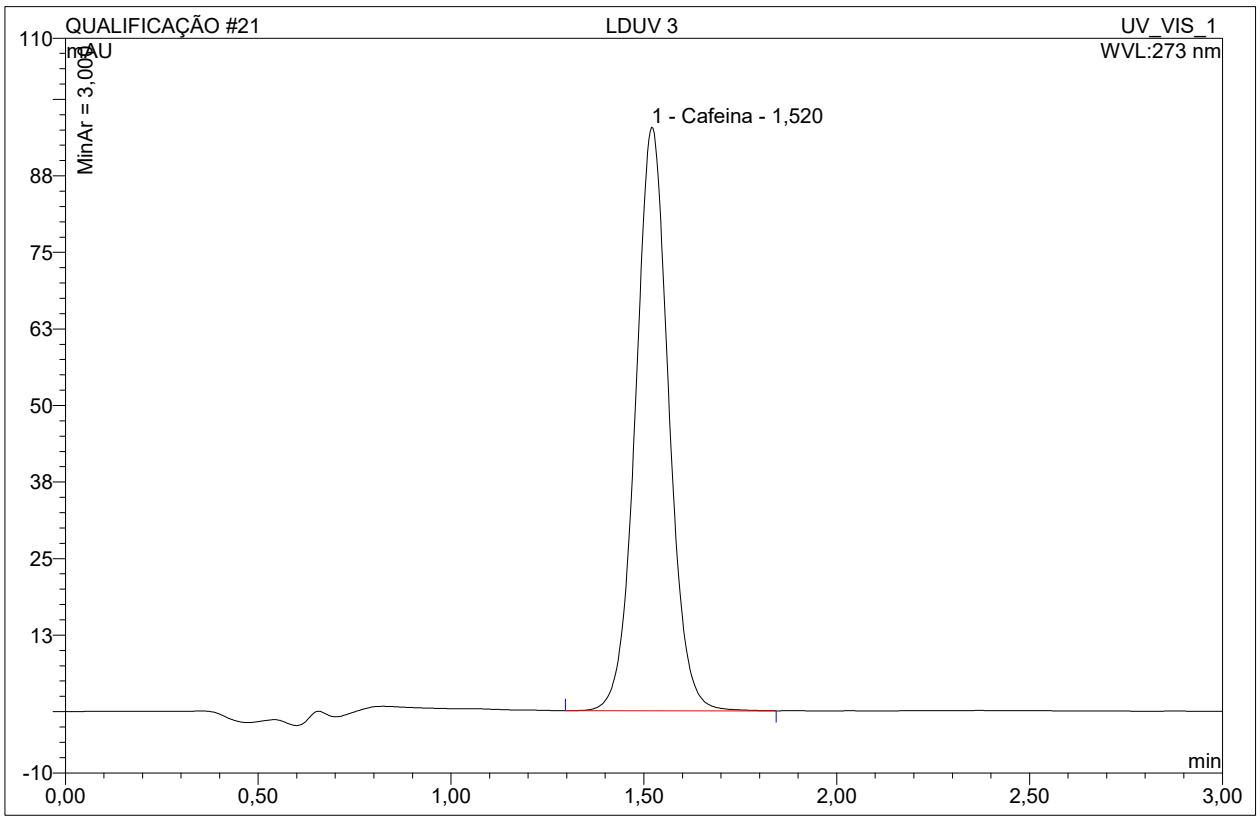



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,523 | Cafeina | 4,620 | 0,34581 | 0,70 | n.a. | 1,04 | 1545 |
| **SUM** | | | 4,620 | 0,346 | 0,700 | n.a. | 1,04 | 1545 |



# 21 LDUV 3

| | | | |
|---|---|---|---|
| *Sample Name:* | **LDUV 3** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA3** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 18:19** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

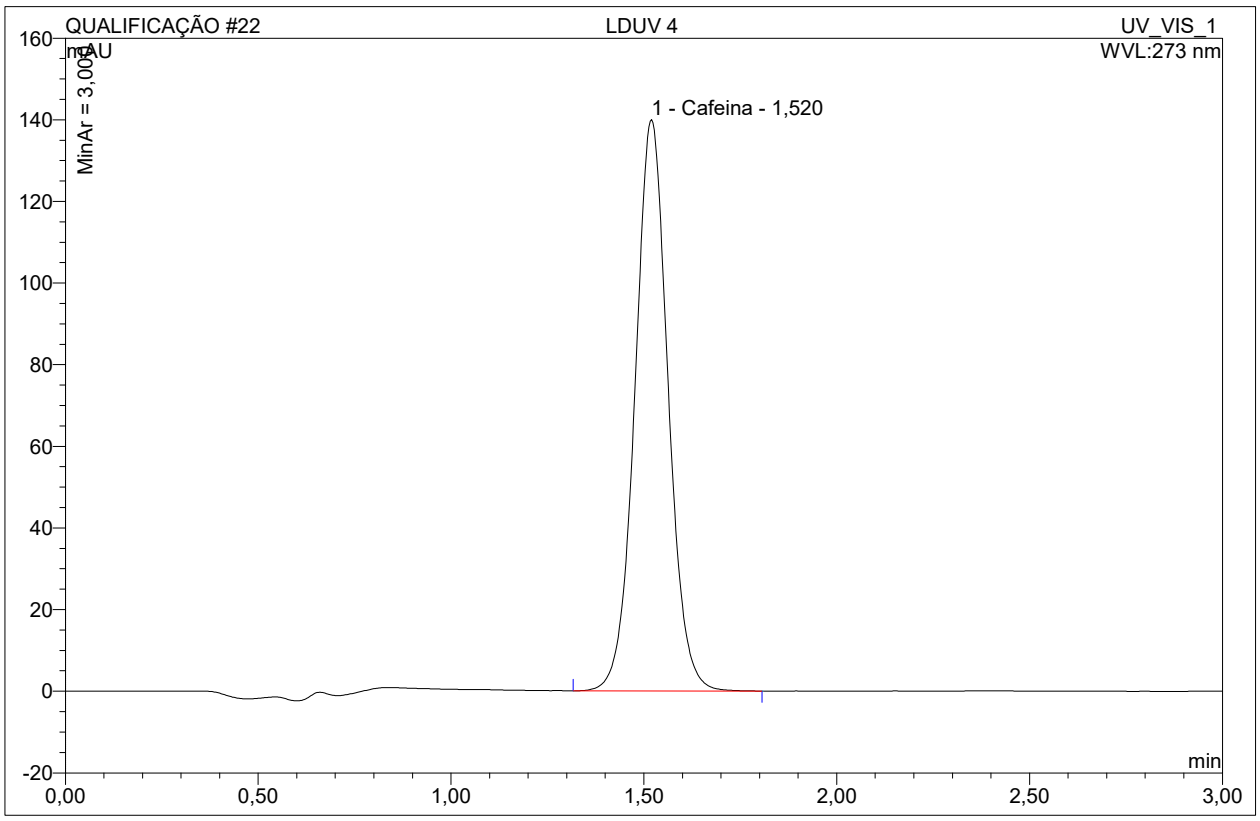



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,520 | Cafeina | 9,496 | 0,71081 | 0,70 | n.a. | 1,05 | 1545 |
| **SUM** | | | 9,496 | 0,711 | 0,696 | n.a. | 1,05 | 1545 |



# 22 LDUV 4

| | | | |
|---|---|---|---|
| *Sample Name:* | **LDUV 4** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA4** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 18:23** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

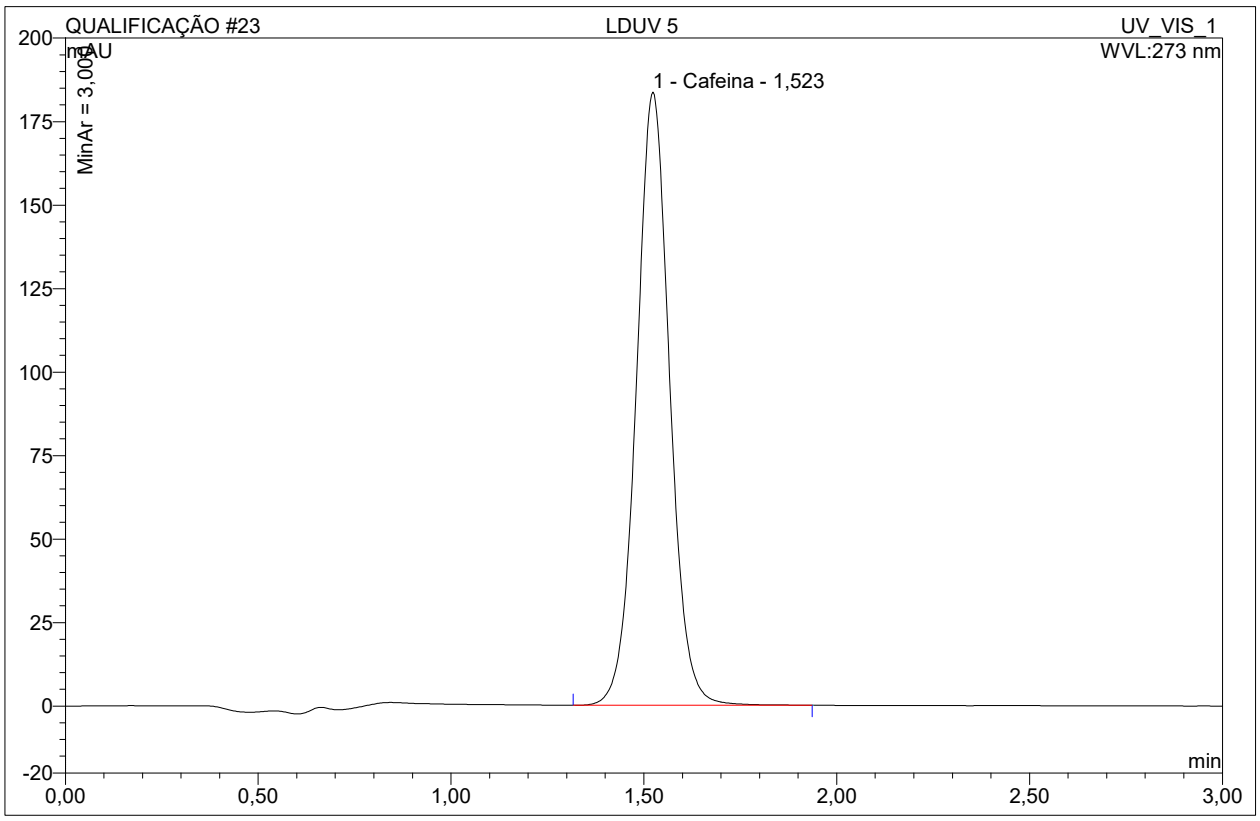



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,520 | Cafeina | 13,925 | 1,04231 | 0,70 | n.a. | 1,03 | 1545 |
| **SUM** | | | 13,925 | 1,042 | 0,696 | n.a. | 1,03 | 1545 |



# 23 LDUV 5

| | | | |
|---|---|---|---|
| *Sample Name:* | **LDUV 5** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA5** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 18:27** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

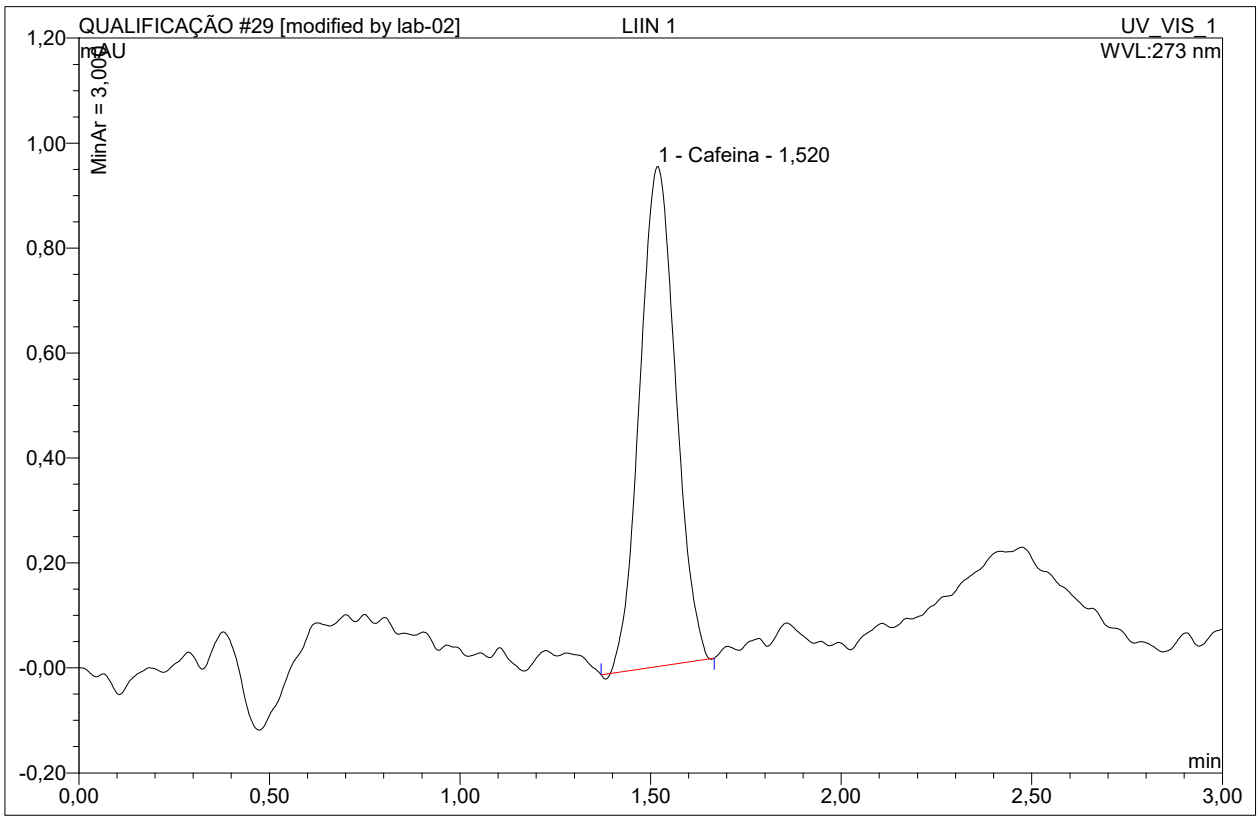



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,523 | Cafeina | 18,345 | 1,37312 | 0,70 | n.a. | 1,04 | 1545 |
| **SUM** | | | 18,345 | 1,373 | 0,700 | n.a. | 1,04 | 1545 |



# 29 LIIN 1

| | | | |
|---|---|---|---|
| *Sample Name:* | **LIIN 1** | *Injection Volume:* | **0,1** |
| *Vial Number:* | **GA6** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 18:50** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

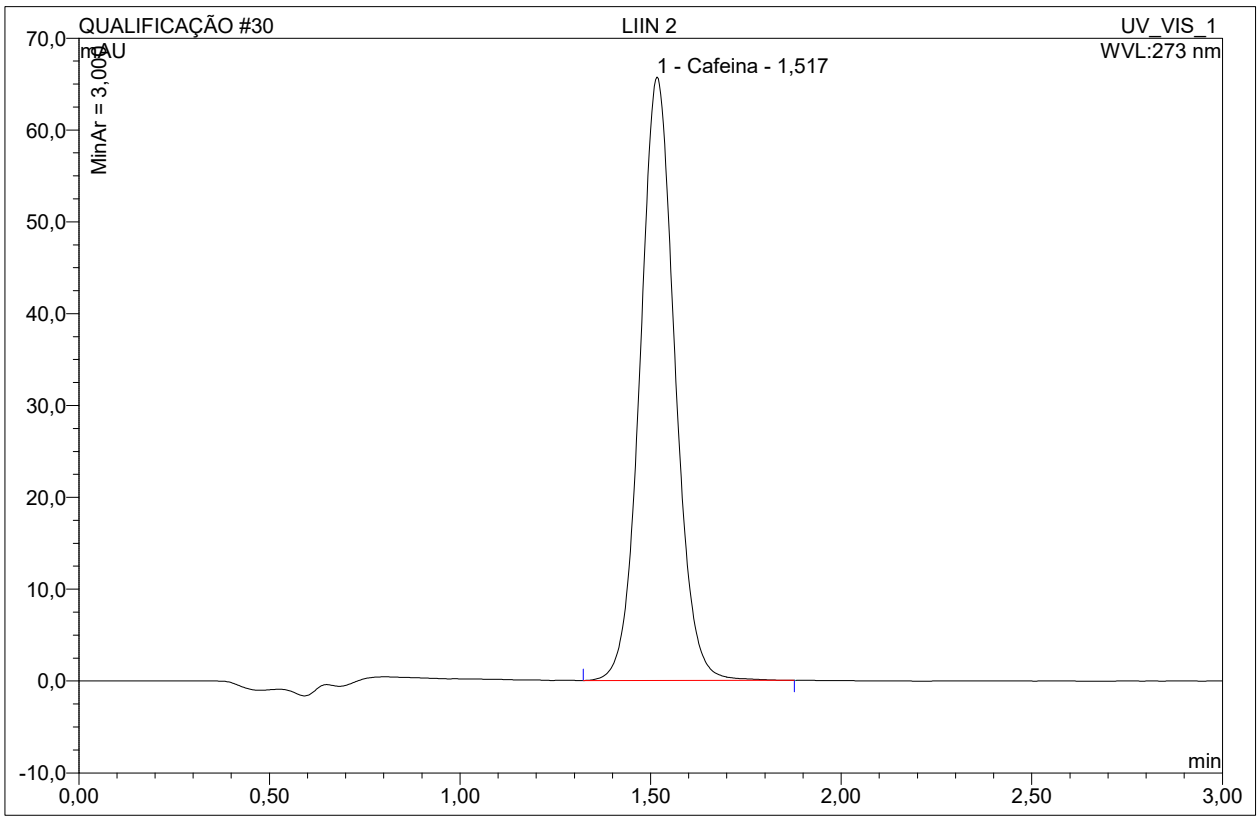



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,520 | Cafeina | 0,104 | 0,00779 | 0,70 | n.a. | 1,03 | 1167 |
| **SUM** | | | 0,104 | 0,008 | 0,696 | n.a. | 1,03 | 1167 |



# 30 LIIN 2

| | | | |
|---|---|---|---|
| *Sample Name:* | **LIIN 2** | *Injection Volume:* | **5,0** |
| *Vial Number:* | **GA6** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 18:54** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

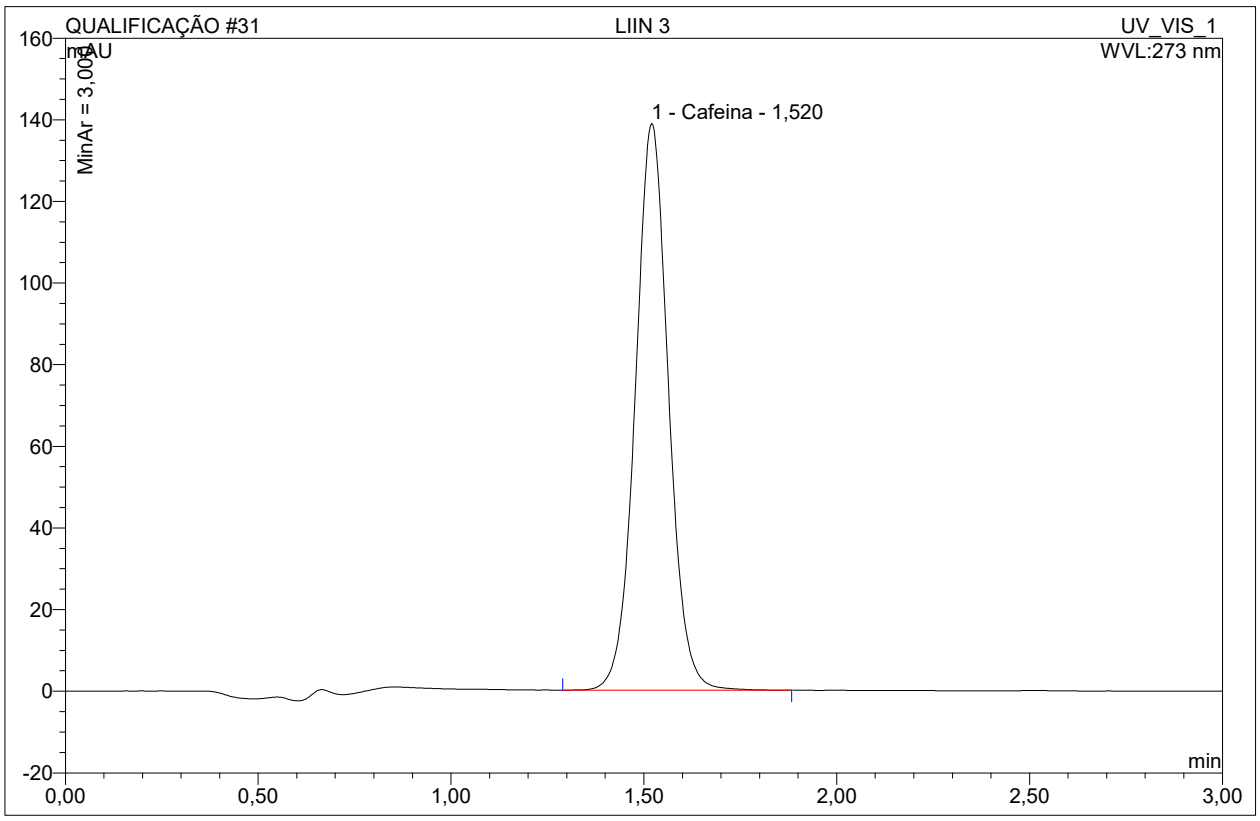



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,517 | Cafeina | 6,936 | 0,51917 | 0,69 | n.a. | 1,06 | 1363 |
| **SUM** | | | 6,936 | 0,519 | 0,693 | n.a. | 1,06 | 1363 |



# 31 LIIN 3

| | | | |
|---|---|---|---|
| *Sample Name:* | **LIIN 3** | *Injection Volume:* | **10,0** |
| *Vial Number:* | **GA6** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 18:58** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

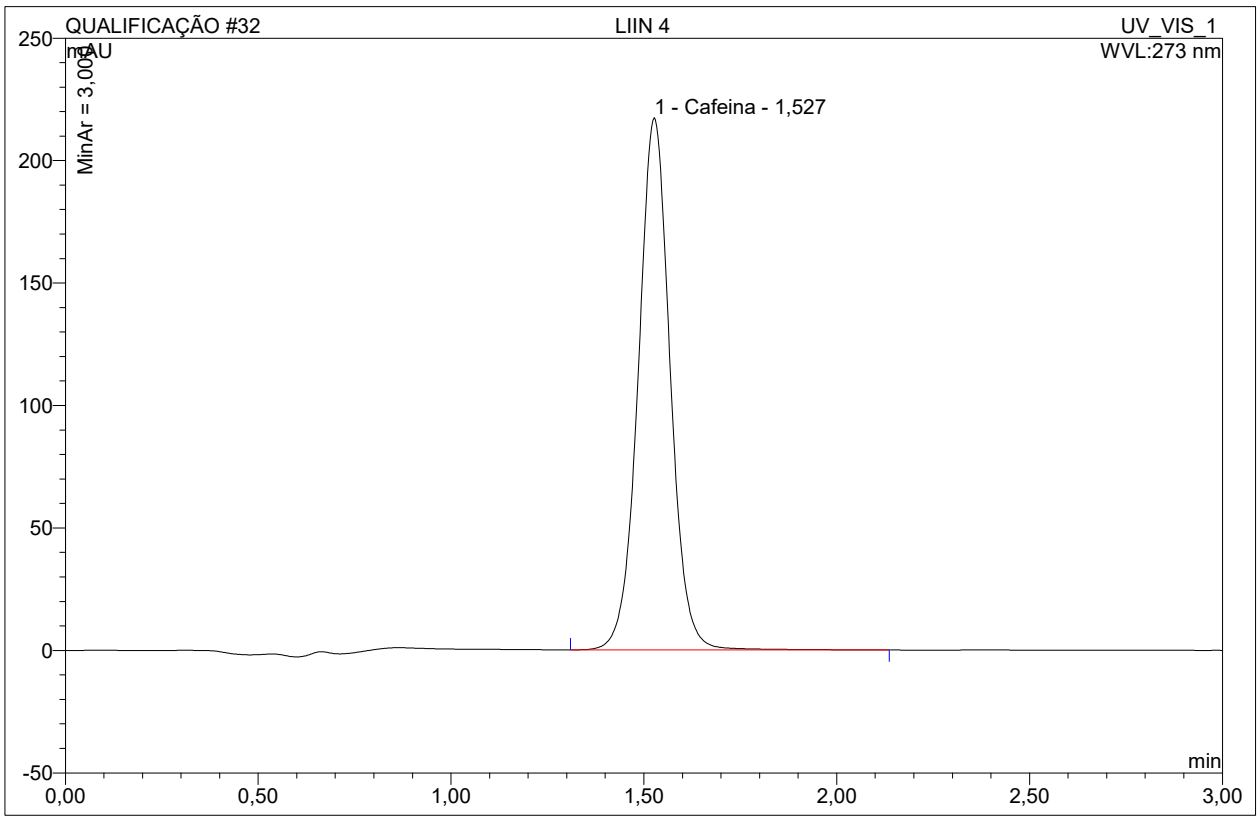



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,520 | Cafeina | 13,840 | 1,03592 | 0,70 | n.a. | 1,04 | 1549 |
| **SUM** | | | 13,840 | 1,036 | 0,696 | n.a. | 1,04 | 1549 |



# 32 LIIN 4

| | | | |
|---|---|---|---|
| *Sample Name:* | **LIIN 4** | *Injection Volume:* | **15,0** |
| *Vial Number:* | **GA6** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 19:02** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

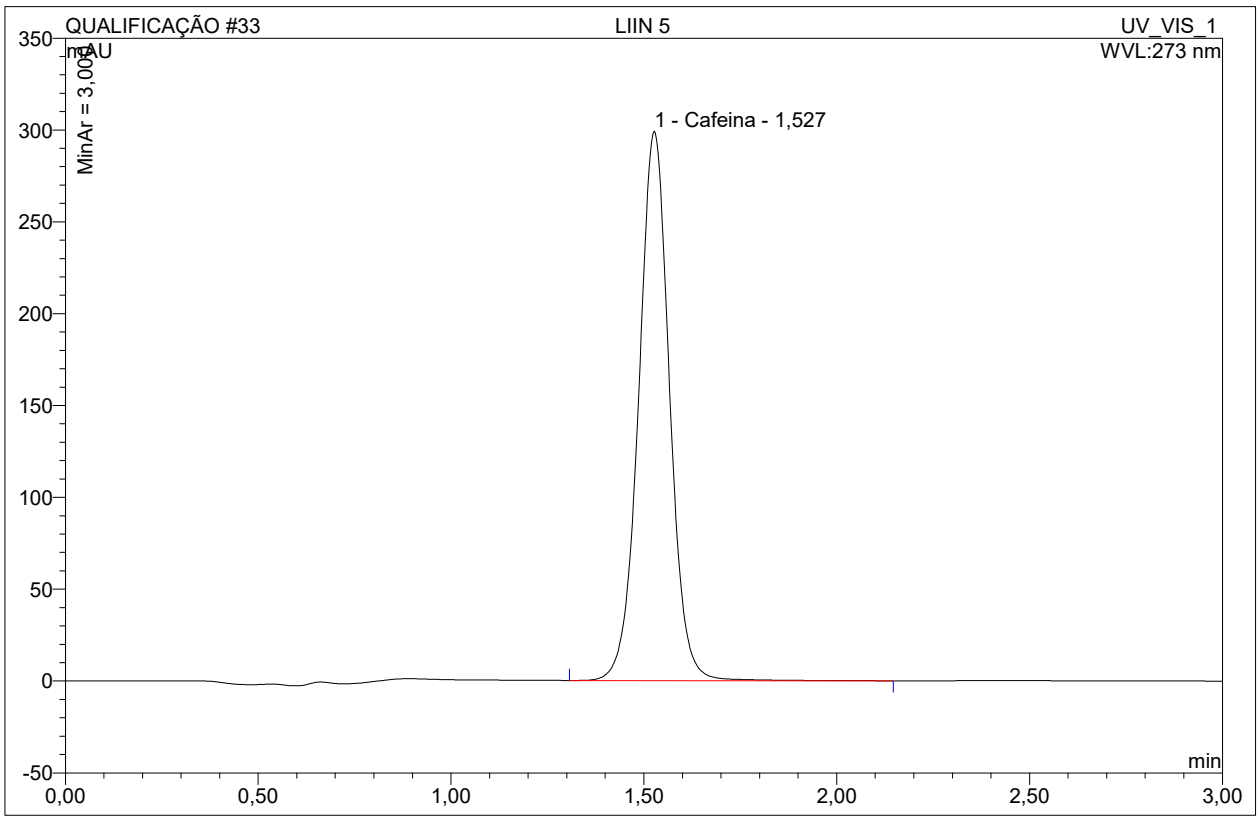



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,527 | Cafeina | 20,836 | 1,55961 | 0,70 | n.a. | 1,02 | 1702 |
| **SUM** | | | 20,836 | 1,560 | 0,704 | n.a. | 1,02 | 1702 |



# 33 LIIN 5

| | | | |
|---|---|---|---|
| *Sample Name:* | **LIIN 5** | *Injection Volume:* | **20,0** |
| *Vial Number:* | **GA6** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Qualificação** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Qualificação** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **05/07/22 19:06** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **3,00** | *Sample Amount:* | **1,0000** |

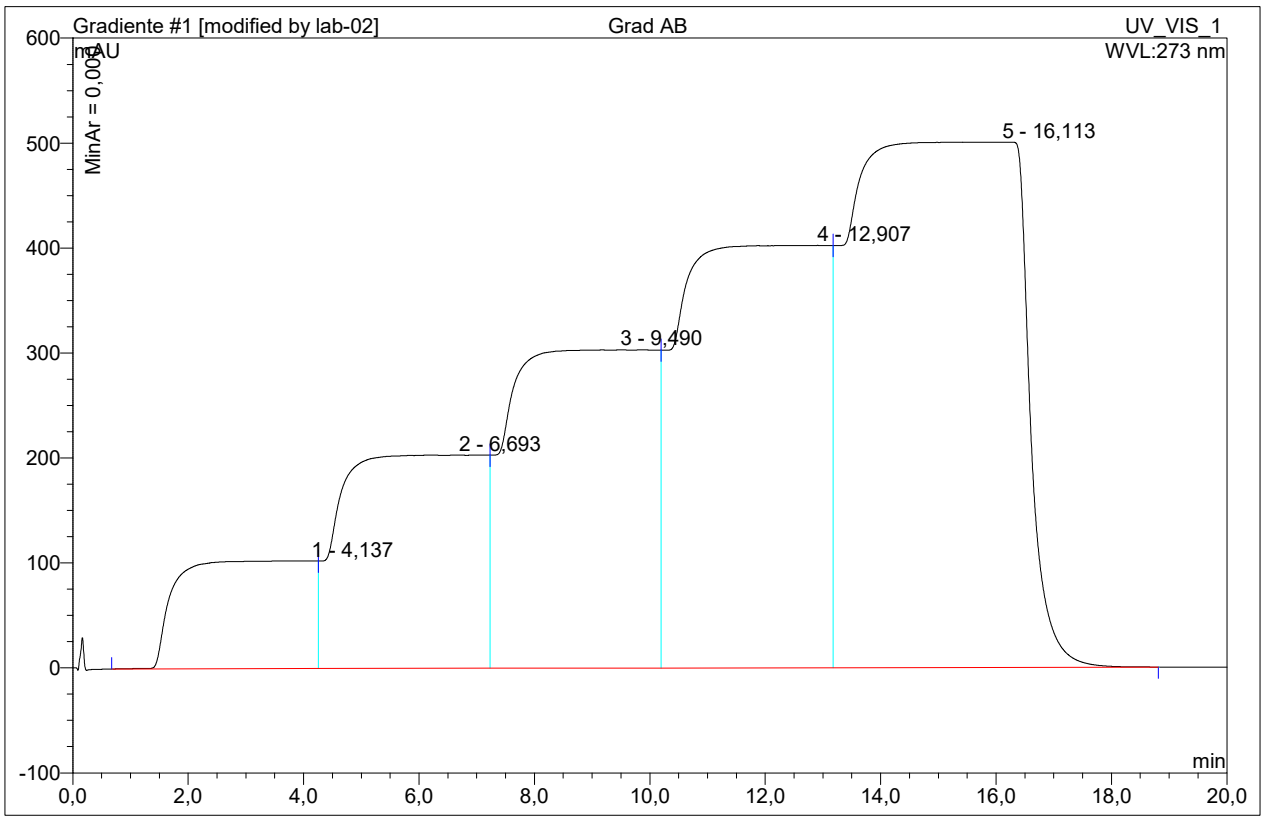



| No. | Ret.Time min | Peakname min | Area mAU*min | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1,527 | Cafeina | 27,703 | 2,07364 | 0,70 | n.a. | 1,01 | 1819 |
| **SUM** | | | 27,703 | 2,074 | 0,704 | n.a. | 1,01 | 1819 |



# 1 Grad AB

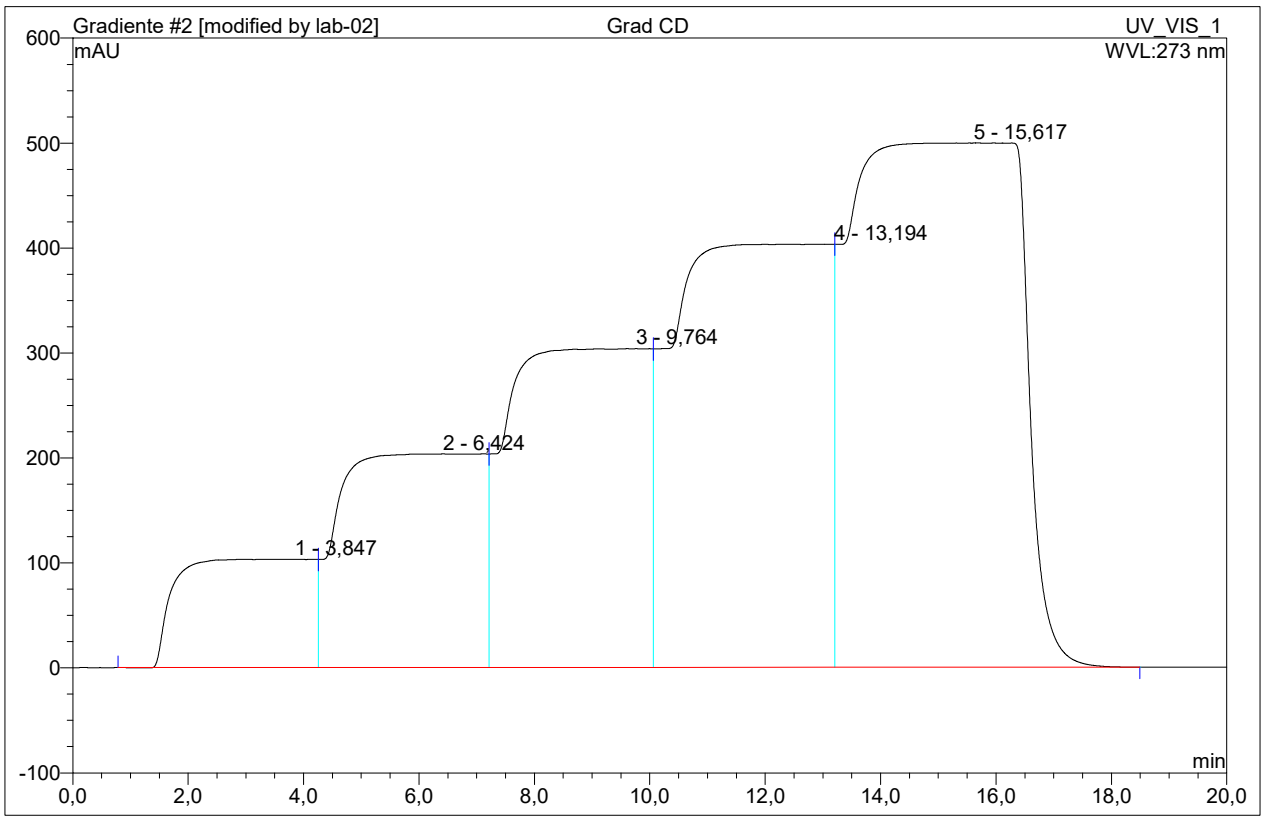
| | | | |
|---|---|---|---|
| *Sample Name:* | **Grad AB** | *Injection Volume:* | **0,0** |
| *Vial Number:* | **GA1** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Grad AB** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Gradiente** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **06/07/22 09:45** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **20,00** | *Sample Amount:* | **1,0000** |




| No. | Ret.Time min | Peakname min | Height mAU | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| n.a. | n.a. | Peak 1 | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 1 | 4,137 | n.a. | 102,658 | n.a. | 3,62 | 0,03 | n.a. | 0 |
| 2 | 6,693 | n.a. | 203,204 | n.a. | 6,47 | 0,04 | n.a. | 0 |
| 3 | 9,490 | n.a. | 303,240 | n.a. | 9,59 | 0,03 | n.a. | 0 |
| 4 | 12,907 | n.a. | 402,311 | n.a. | 13,40 | 0,04 | n.a. | 0 |
| 5 | 16,113 | n.a. | 500,373 | n.a. | 16,98 | n.a. | n.a. | 189 |
| **SUM** | | | 302,357 | n.a. | 10,013 | 0,03 | n.a. | 38 |

# 2 Grad CD

| | | | |
|---|---|---|---|
| *Sample Name:* | **Grad CD** | *Injection Volume:* | **0,0** |
| *Vial Number:* | **GA1** | *Channel:* | **UV_VIS_1** |
| *Sample Type:* | **standard** | *Wavelength:* | **273.0** |
| *Control Program:* | **Grad CD** | *Bandwidth:* | **1** |
| *Quantif. Method:* | **Gradiente** | *Dilution Factor:* | **1,0000** |
| *Recording Time:* | **06/07/22 10:06** | *Sample Weight:* | **1,0000** |
| *Run Time (min):* | **20,00** | *Sample Amount:* | **1,0000** |




| No. | Ret.Time min | Peakname min | Height mAU | Amount | K' | Resol. (USP) | Asym. (EP) | Plates (USP) |
|---|---|---|---|---|---|---|---|---|
| n.a. | n.a. | Peak 1 | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 1 | 3,847 | n.a. | 103,086 | n.a. | 3,29 | 0,04 | n.a. | 0 |
| 2 | 6,424 | n.a. | 203,382 | n.a. | 6,17 | 0,05 | n.a. | 0 |
| 3 | 9,764 | n.a. | 303,557 | n.a. | 9,90 | n.a. | n.a. | 1 |
| 4 | 13,194 | n.a. | 403,041 | n.a. | 13,72 | n.a. | n.a. | n.a. |
| 5 | 15,617 | n.a. | 499,434 | n.a. | 16,43 | n.a. | n.a. | 178 |
| **SUM** | | | 302,500 | n.a. | 9,903 | 0,04 | n.a. | 45 |