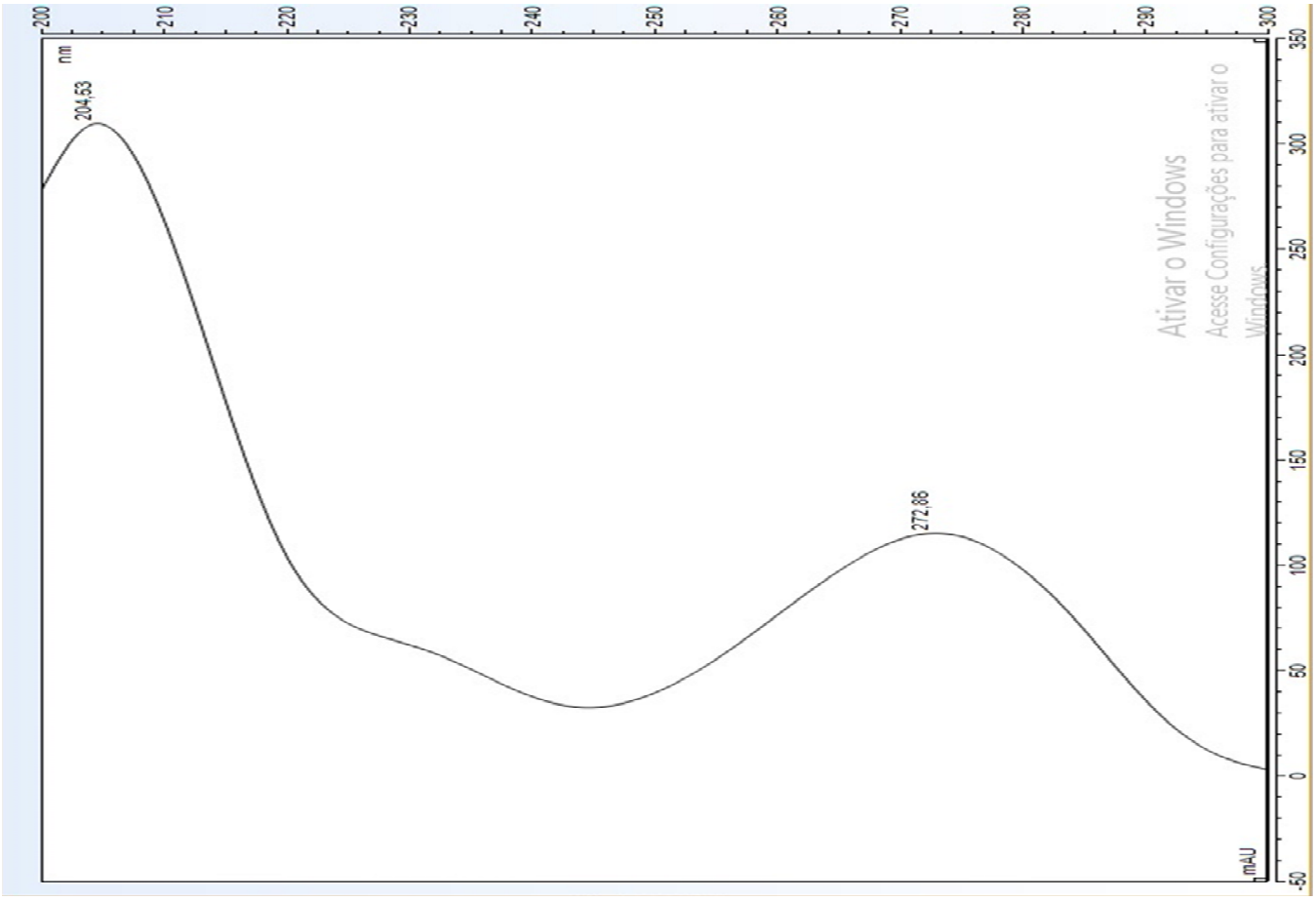
Certificado N°: 170/21

- **EDUV:**



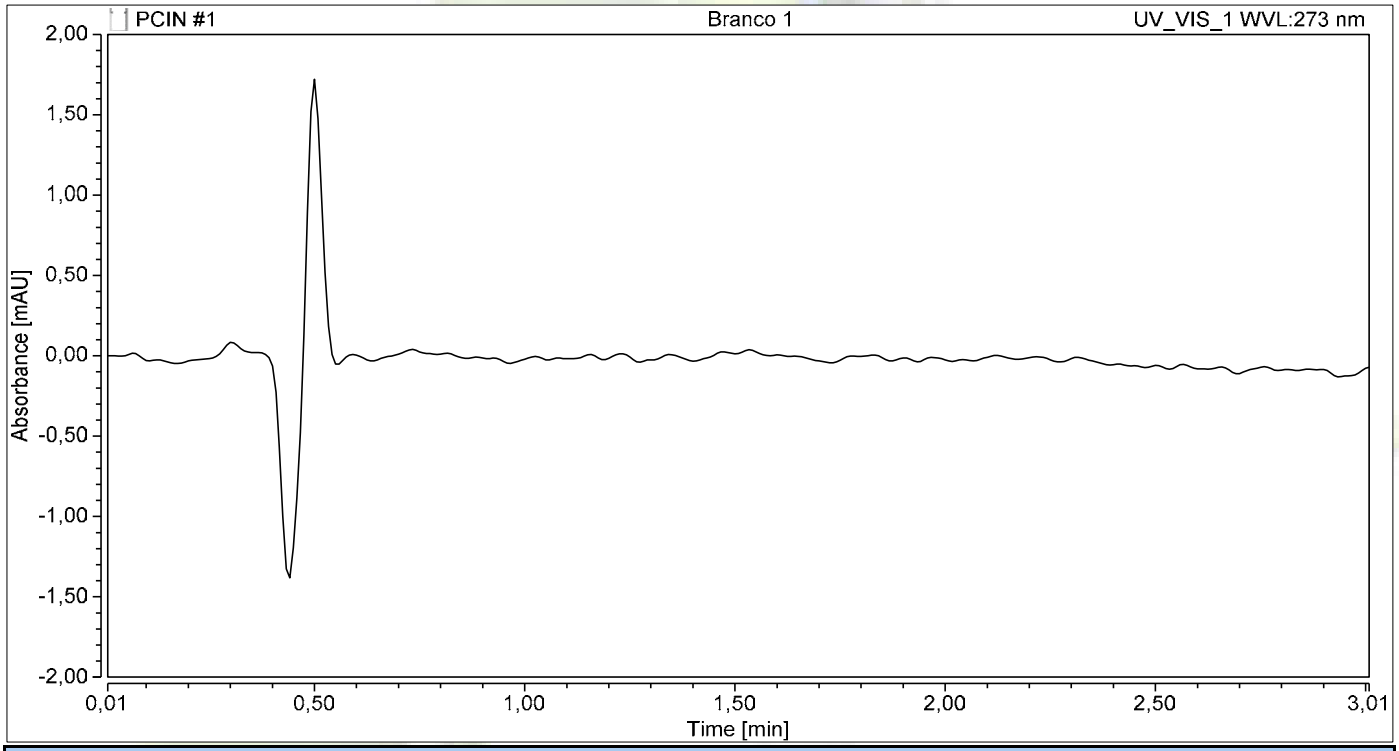
QPack Soluções Analíticas Ltda.
Rua Ema Gazzi Magnusson, 138 – Comercial Vitoria Martini – Indaiatuba – SP – CEP 13347-630
Site: www.qpack.com.br - Fone: 55 (19) 2660-1110
E-mail: qpack@qpack.com.br

Chromatogram and Results

Injection Details

Injection Name:	**Branco 1**	*Run Time (min):*	**3,00**
Vial Number:	**R:A1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 10:49**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

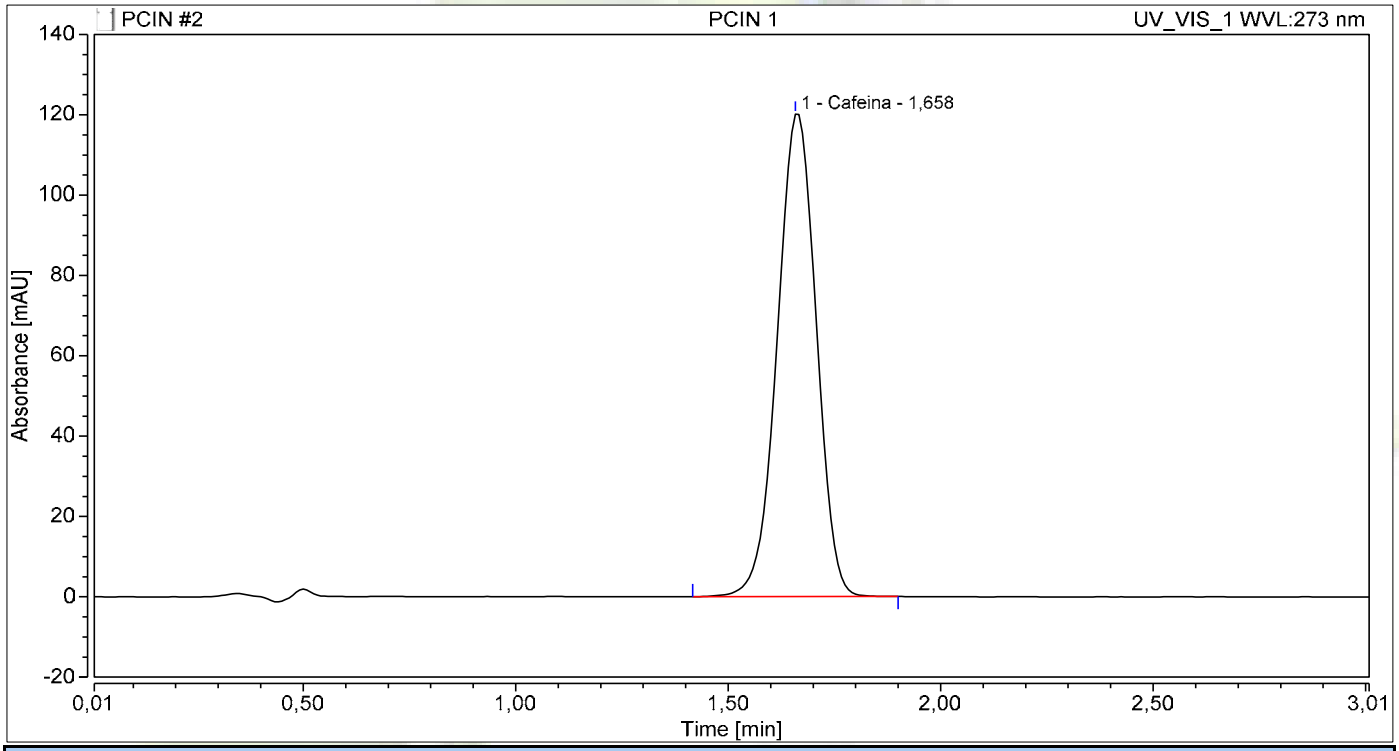
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
n.a.	Cafeina	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total:			**0,000**	**0,000**	**0,00**	**0,00**	

Chromatogram and Results

Injection Details

Injection Name:	**PCIN 1**	*Run Time (min):*	**3,00**
Vial Number:	**R:A2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 10:52**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

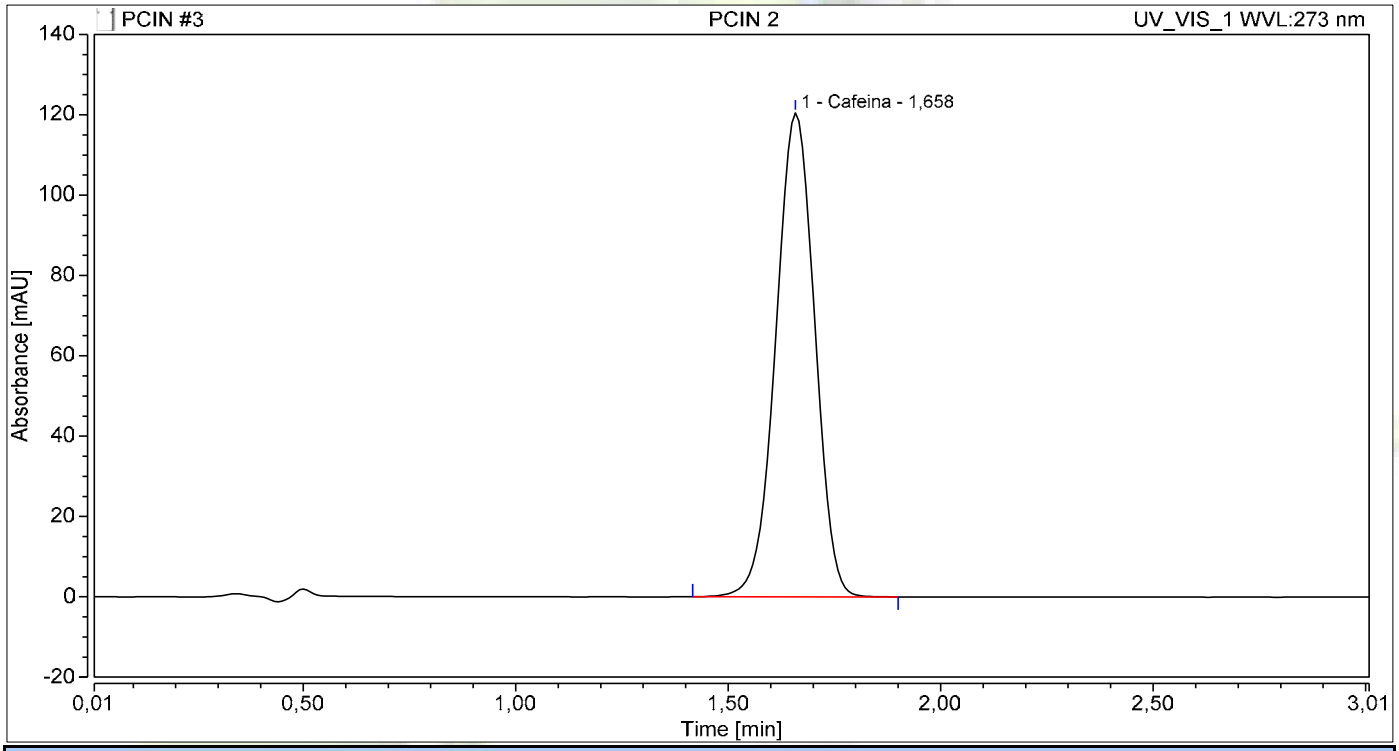
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,658	12,777	120,065	100,00	100,00	n.a.
Total:			**12,777**	**120,065**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**PCIN 2**	*Run Time (min):*	**3,00**
Vial Number:	**R:A2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 10:56**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

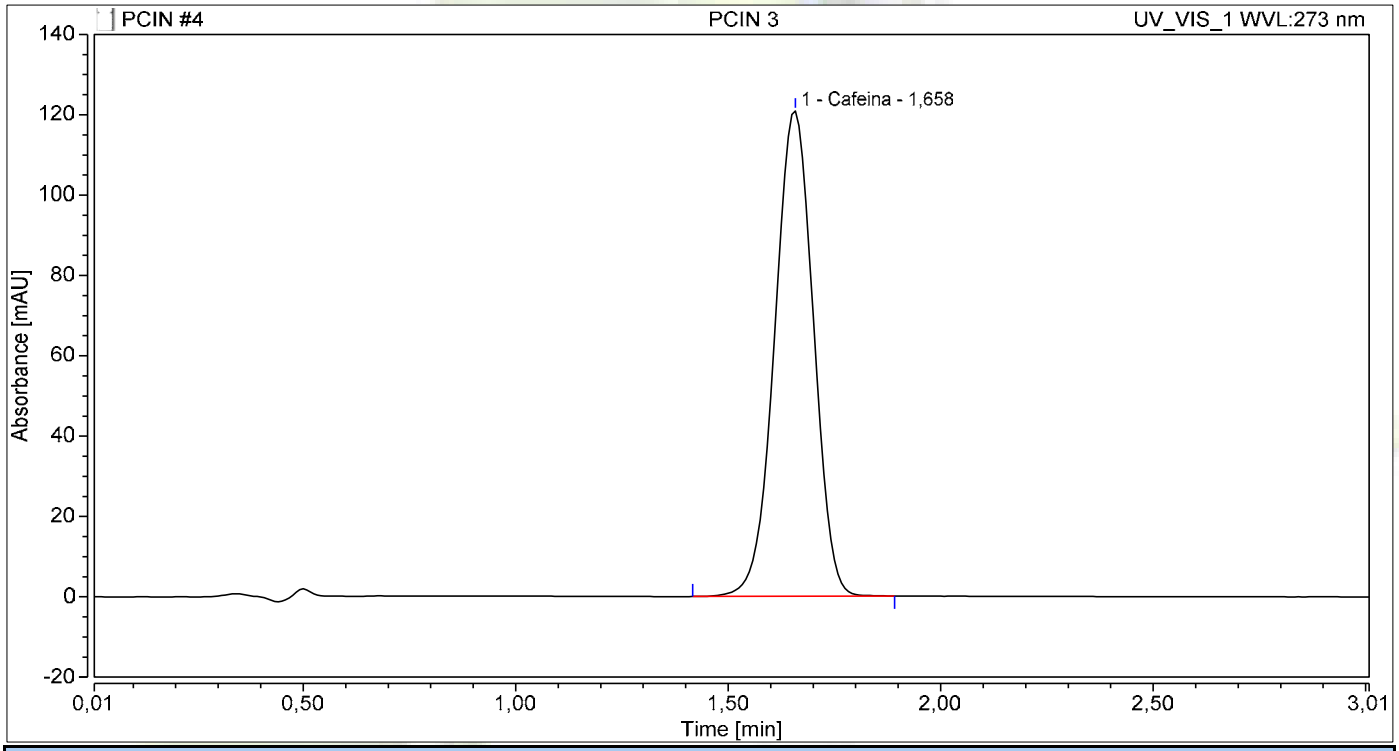
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,658	12,786	120,465	100,00	100,00	n.a.
Total:			**12,786**	**120,465**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**PCIN 3**	*Run Time (min):*	**3,00**
Vial Number:	**R:A2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 11:00**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

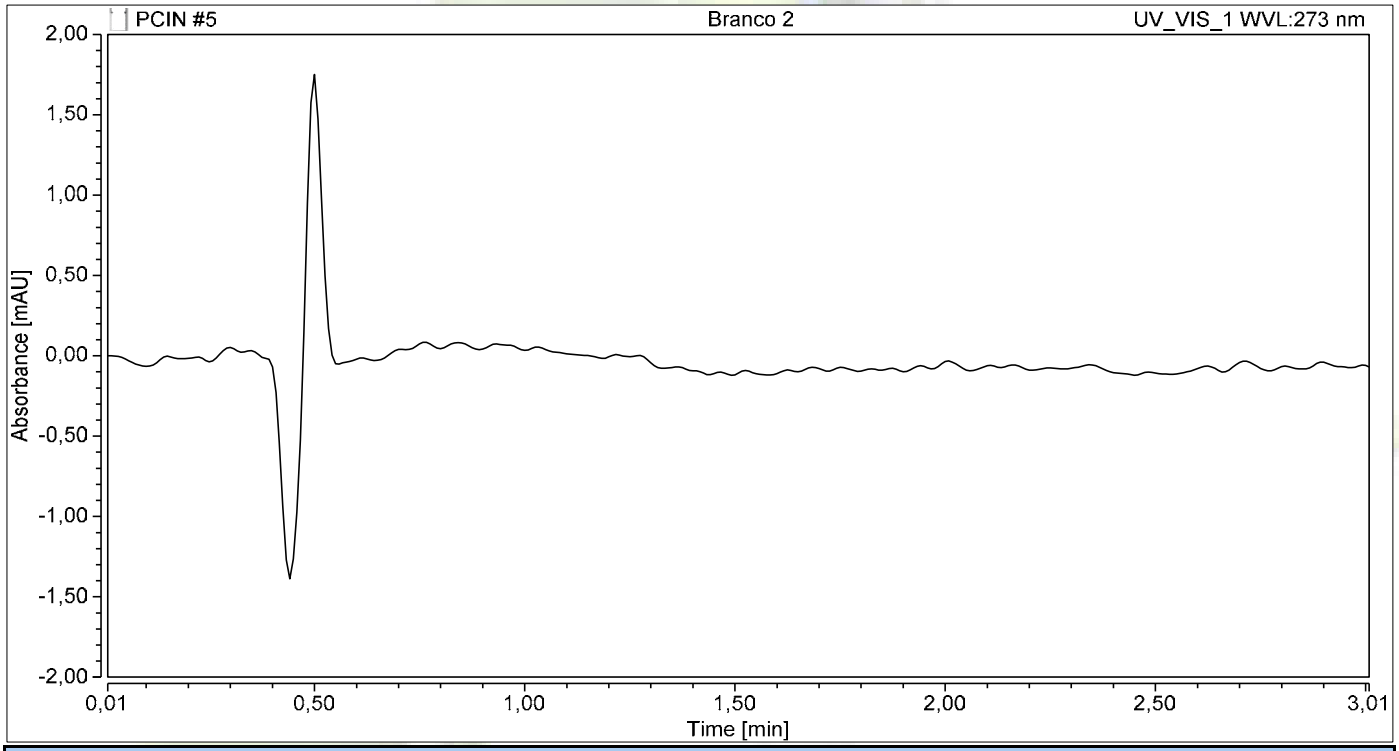
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,658	12,793	120,840	100,00	100,00	n.a.
Total:			**12,793**	**120,840**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**Branco 2**	*Run Time (min):*	**3,00**
Vial Number:	**R:A1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 11:04**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

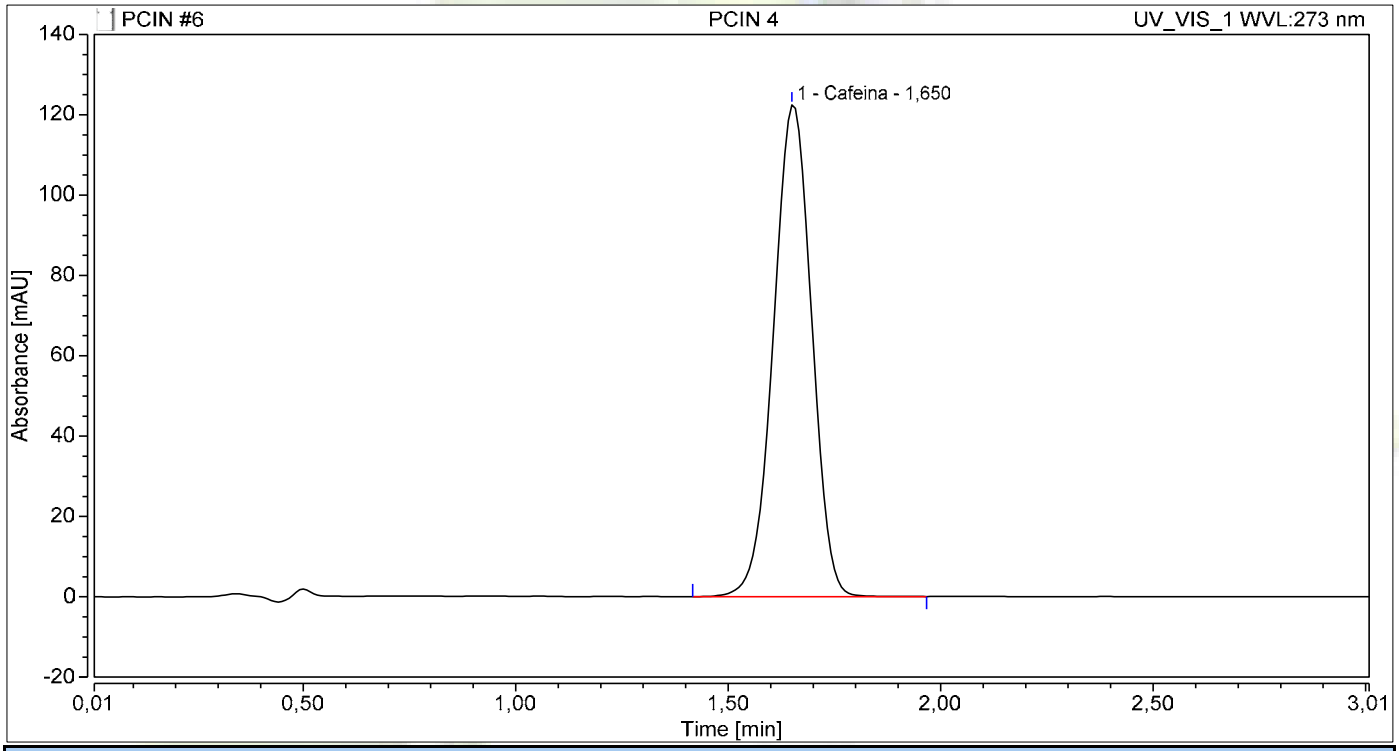
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
n.a.	Cafeina	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total:			**0,000**	**0,000**	**0,00**	**0,00**	

Chromatogram and Results

Injection Details

Injection Name:	**PCIN 4**	*Run Time (min):*	**3,00**
Vial Number:	**R:A2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 11:08**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

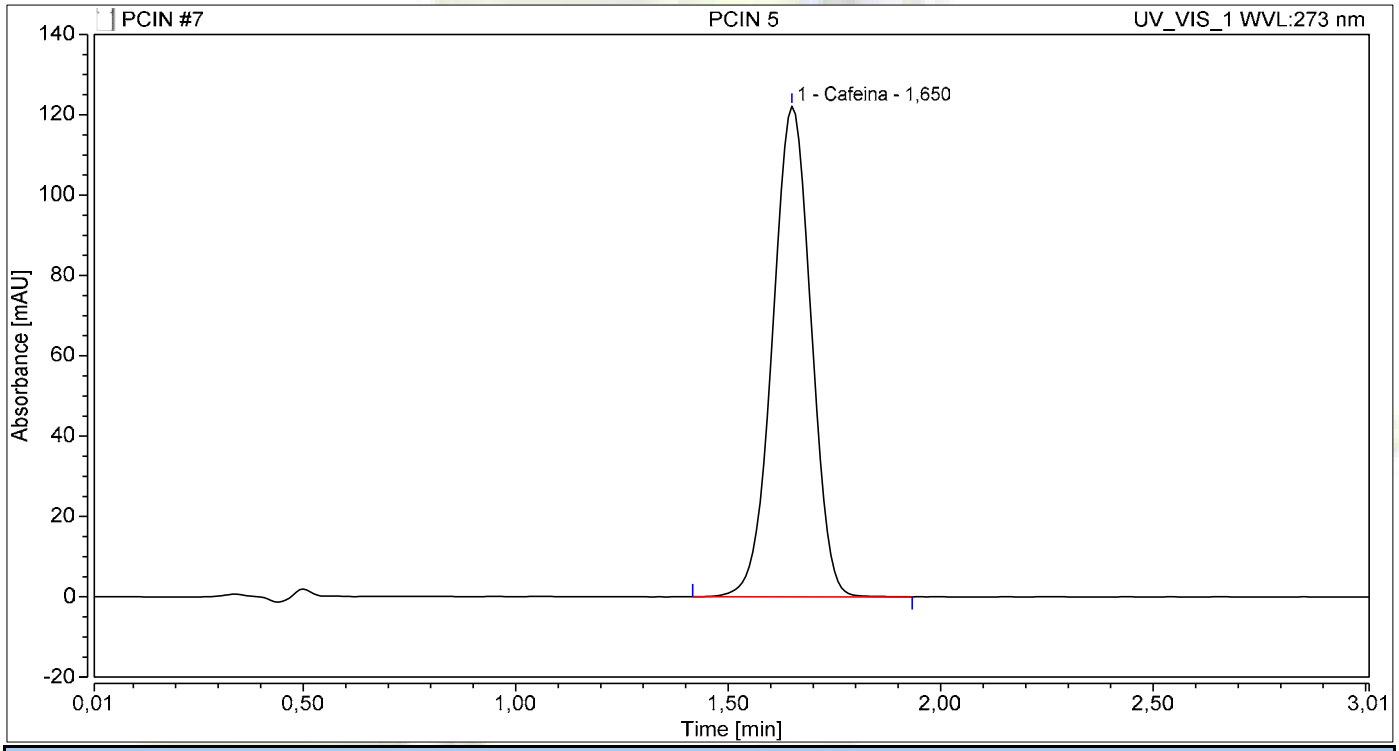
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,650	12,777	122,412	100,00	100,00	n.a.
Total:			**12,777**	**122,412**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**PCIN 5**	*Run Time (min):*	**3,00**
Vial Number:	**R:A2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 11:12**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

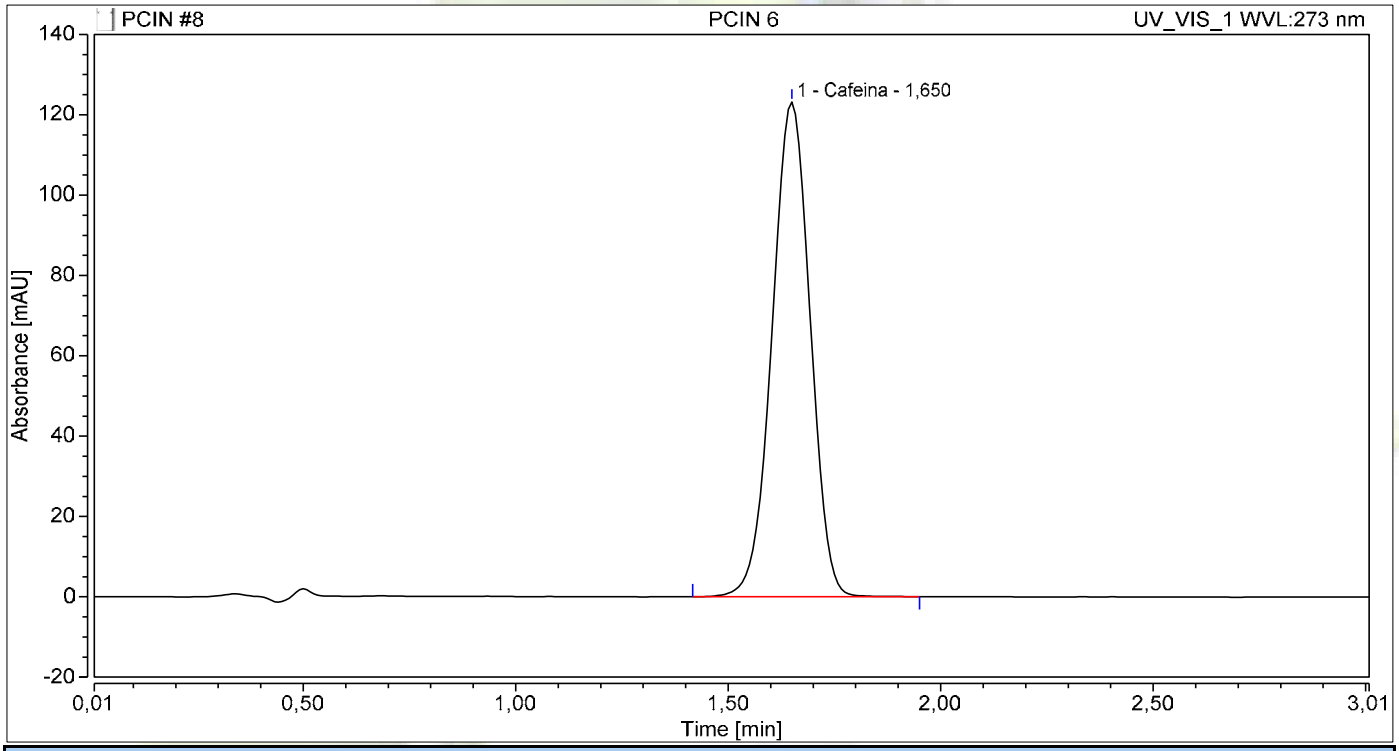
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,650	12,813	122,150	100,00	100,00	n.a.
Total:			**12,813**	**122,150**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**PCIN 6**	*Run Time (min):*	**3,00**
Vial Number:	**R:A2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 11:16**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

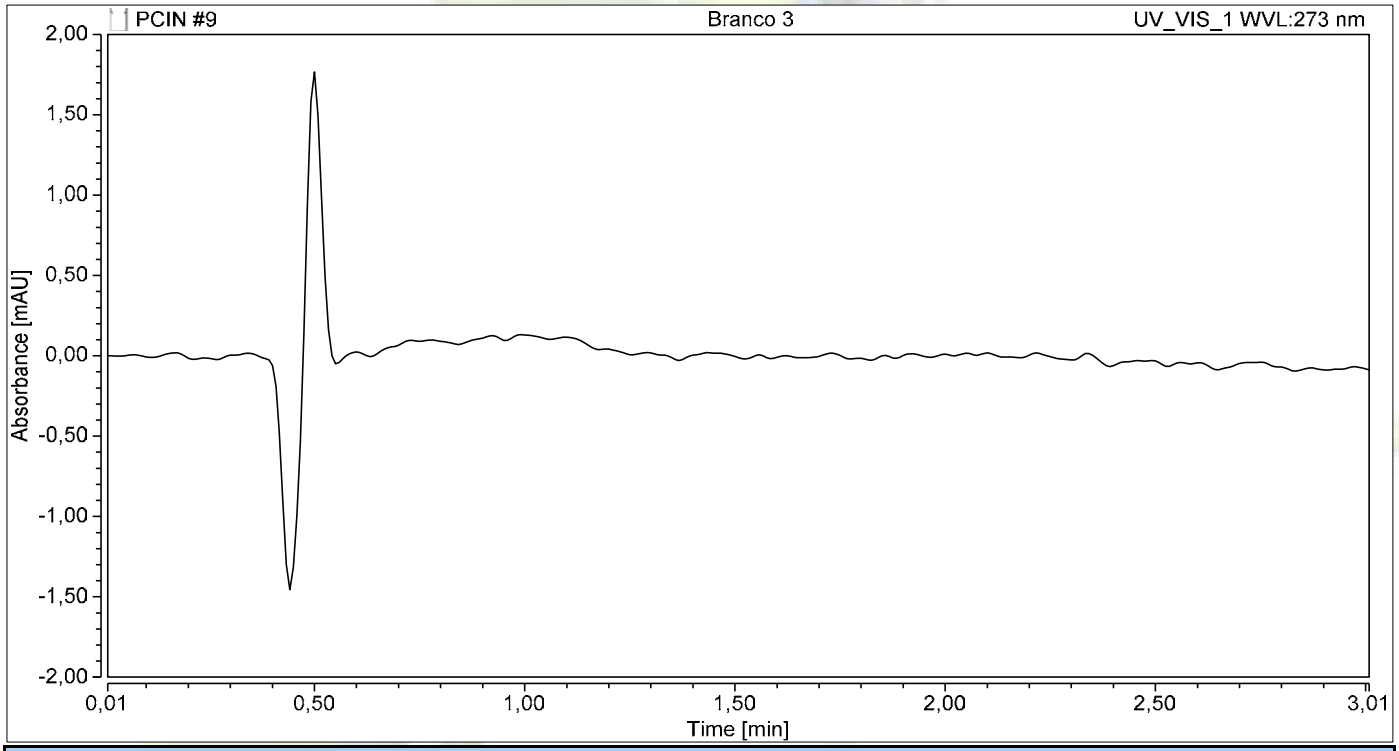
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,650	12,804	123,187	100,00	100,00	n.a.
Total:			**12,804**	**123,187**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**Branco 3**	*Run Time (min):*	**3,00**
Vial Number:	**R:A1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 11:23**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

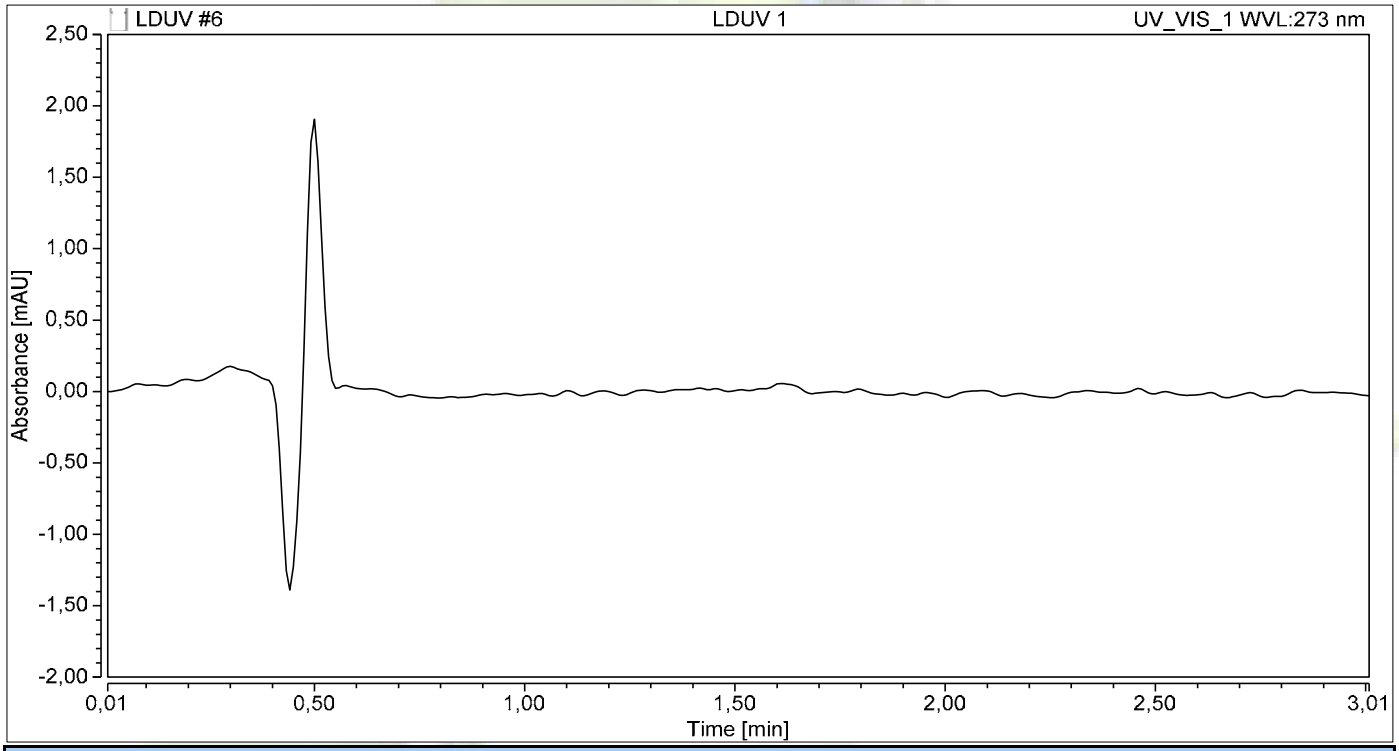
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
n.a.	Cafeina	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total:			**0,000**	**0,000**	**0,00**	**0,00**	

Chromatogram and Results

Injection Details

Injection Name:	**LDUV 1**	*Run Time (min):*	**3,00**
Vial Number:	**R:A1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 11:54**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

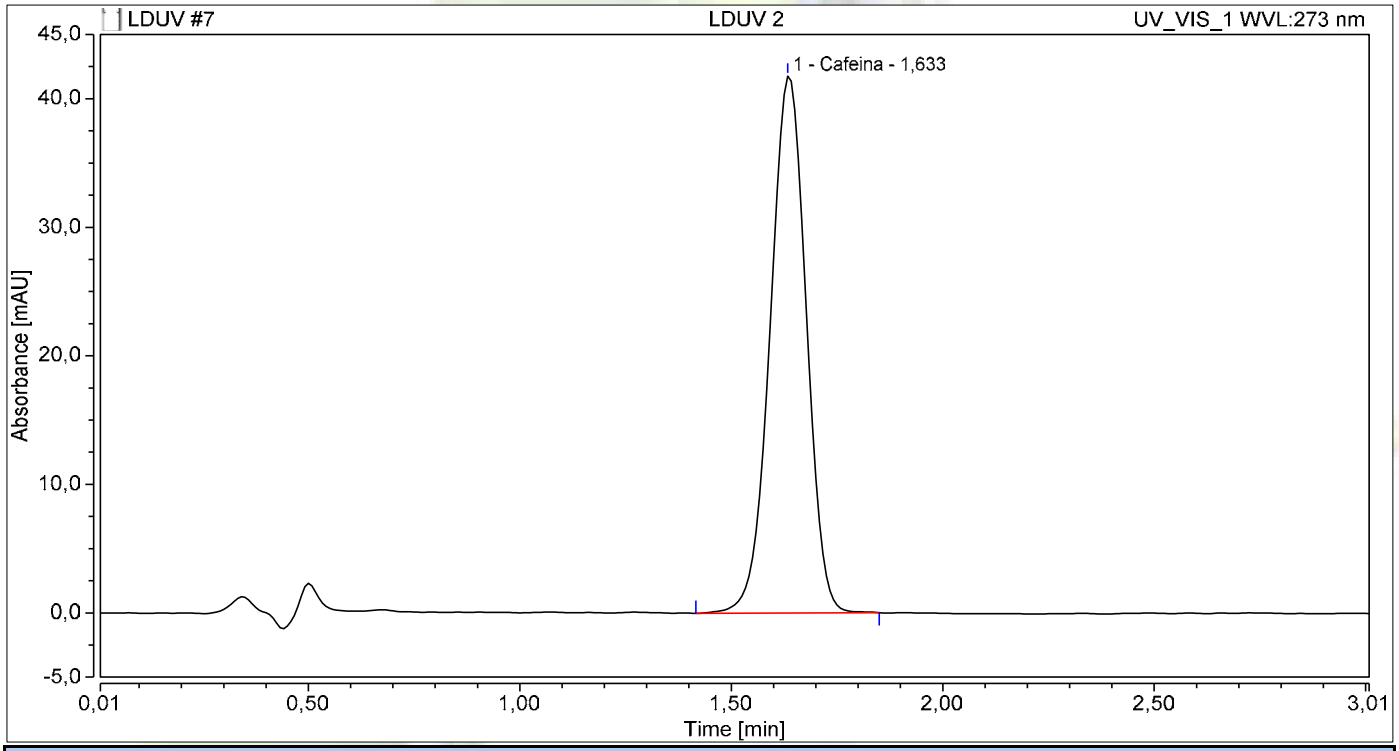
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
n.a.	Cafeina	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total:			**0,000**	**0,000**	**0,00**	**0,00**	

Chromatogram and Results

Injection Details

Injection Name:	**LDUV 2**	*Run Time (min):*	**3,00**
Vial Number:	**R:A2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 11:58**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

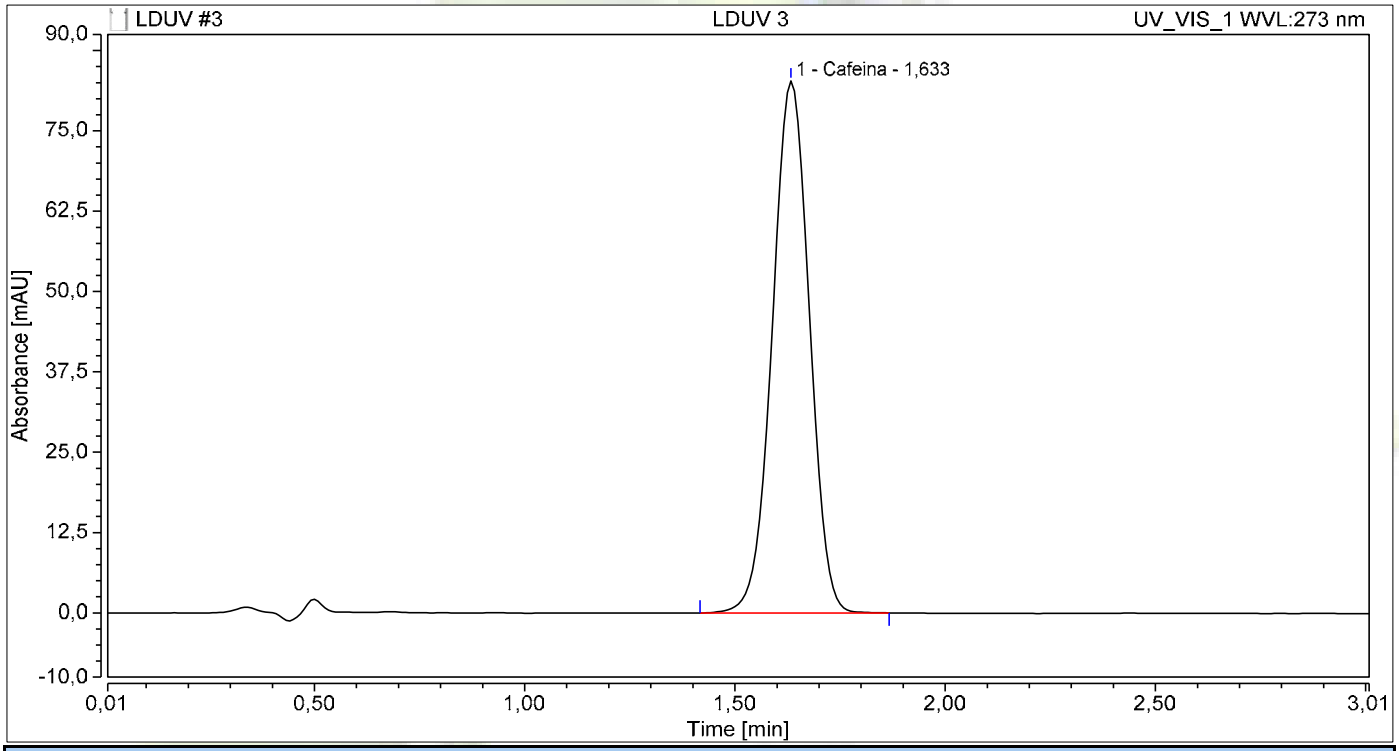
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,633	4,137	41,775	100,00	100,00	n.a.
Total:			**4,137**	**41,775**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**LDUV 3**	*Run Time (min):*	**3,00**
Vial Number:	**R:A3**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 12:02**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

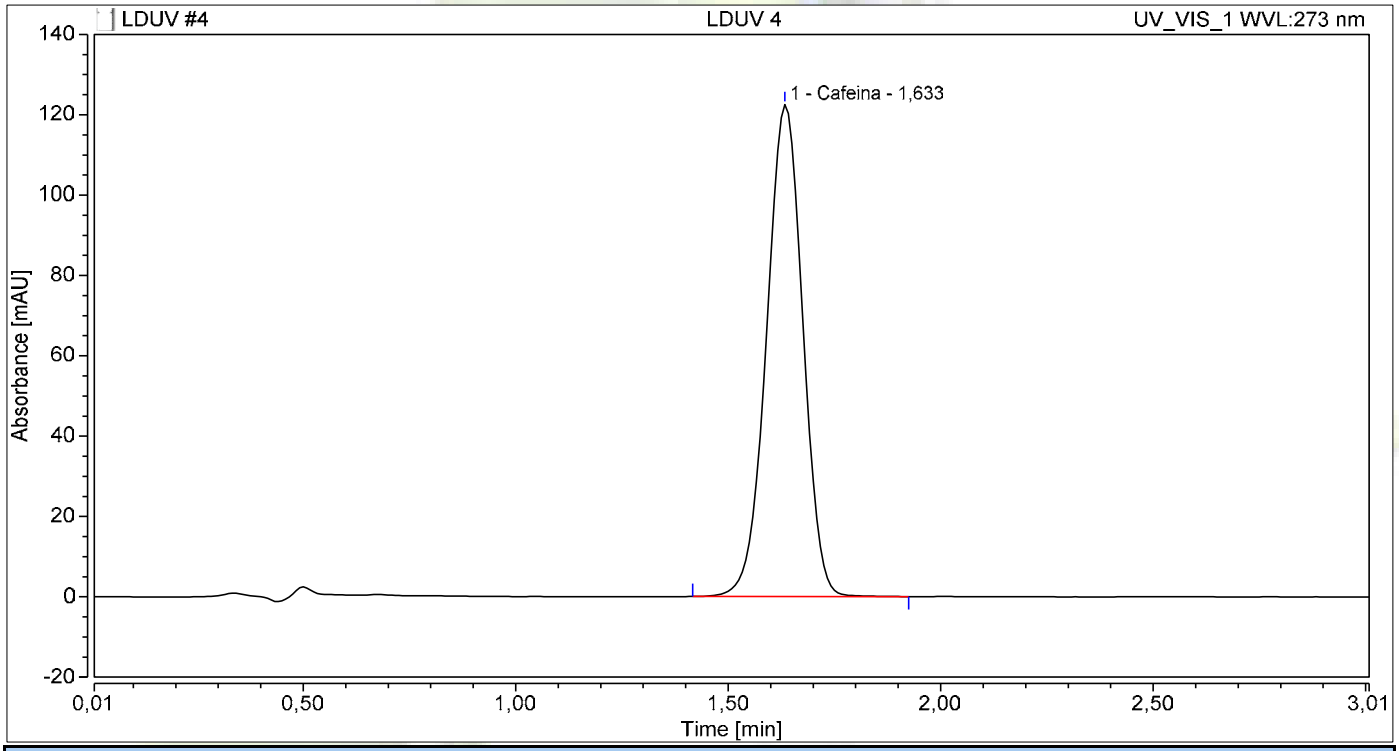
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,633	8,458	82,789	100,00	100,00	n.a.
Total:			**8,458**	**82,789**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**LDUV 4**	*Run Time (min):*	**3,00**
Vial Number:	**R:A4**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 12:06**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

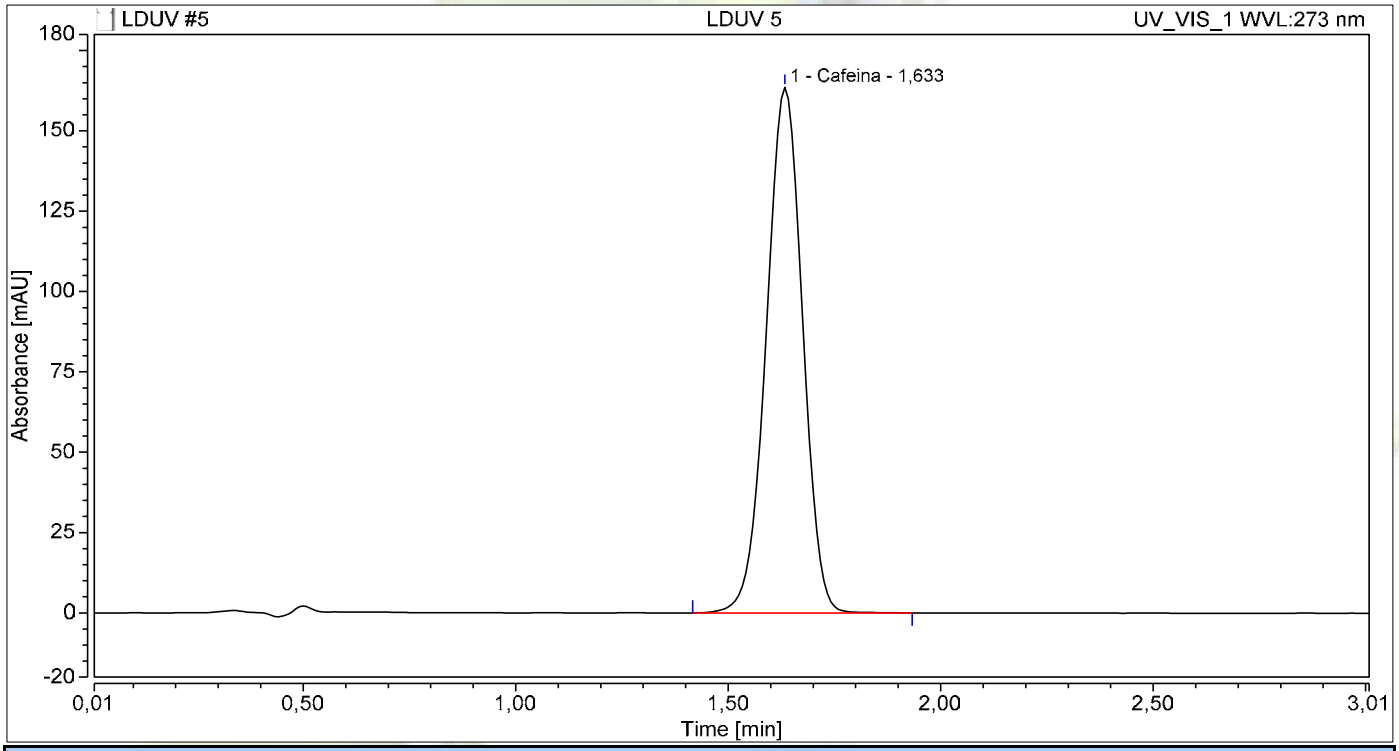
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,633	12,120	122,469	100,00	100,00	n.a.
Total:			**12,120**	**122,469**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**LDUV 5**	*Run Time (min):*	**3,00**
Vial Number:	**R:A5**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 12:10**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

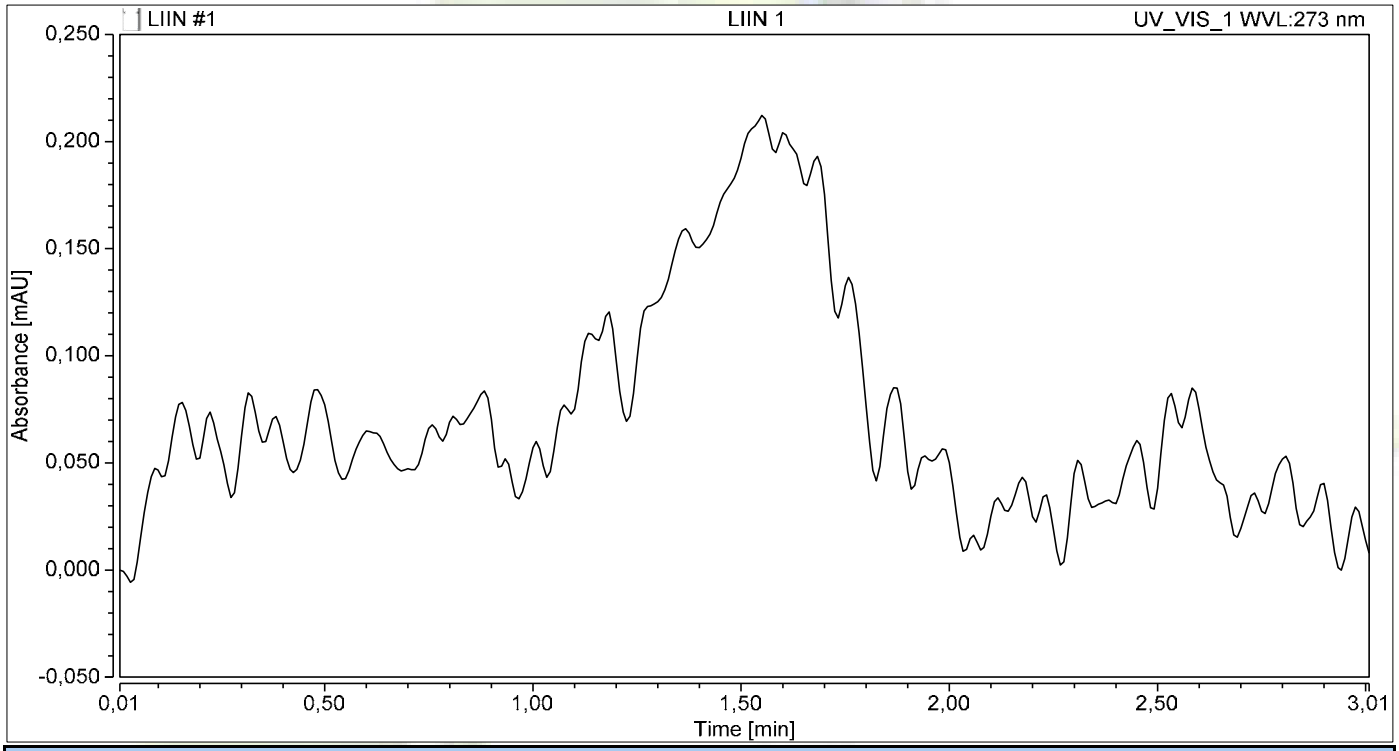
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,633	16,195	163,543	100,00	100,00	n.a.
Total:			**16,195**	**163,543**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**LIIN 1**	*Run Time (min):*	**3,00**
Vial Number:	**R:A1**	*Injection Volume:*	**0,01**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 12:16**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

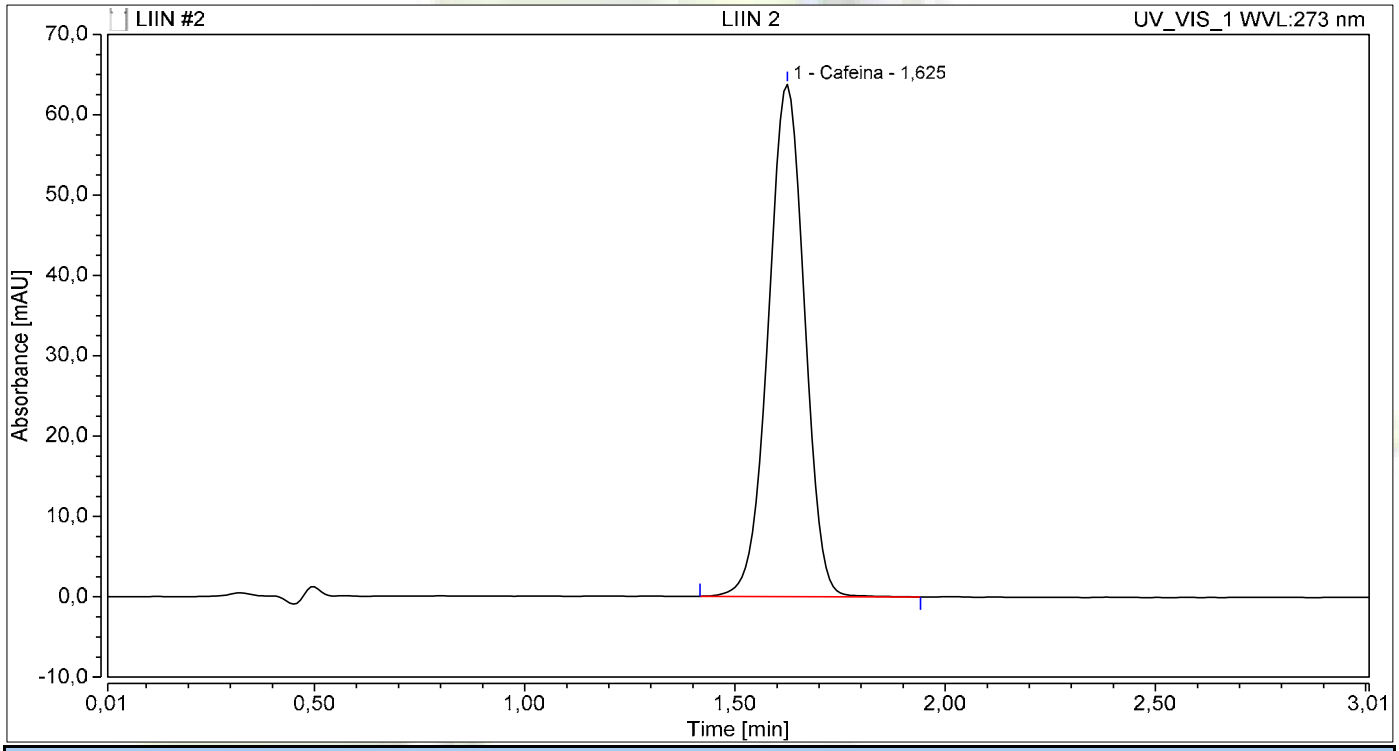
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
n.a.	Cafeina	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total:			**0,000**	**0,000**	**0,00**	**0,00**	

Chromatogram and Results

Injection Details

Injection Name:	**LIIN 2**	*Run Time (min):*	**3,00**
Vial Number:	**R:A1**	*Injection Volume:*	**5,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 12:21**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

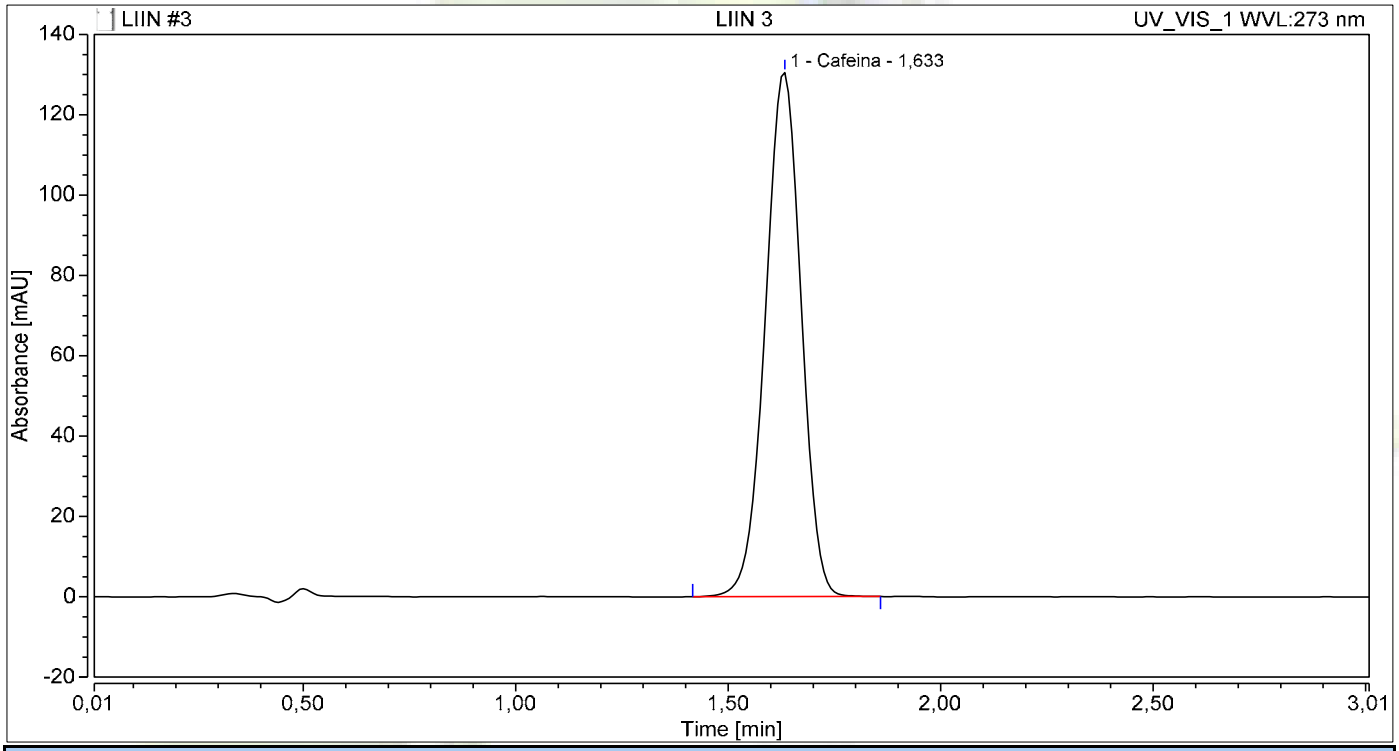
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,625	6,360	63,752	100,00	100,00	n.a.
Total:			**6,360**	**63,752**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**LIIN 3**	*Run Time (min):*	**3,00**
Vial Number:	**R:A1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 12:25**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

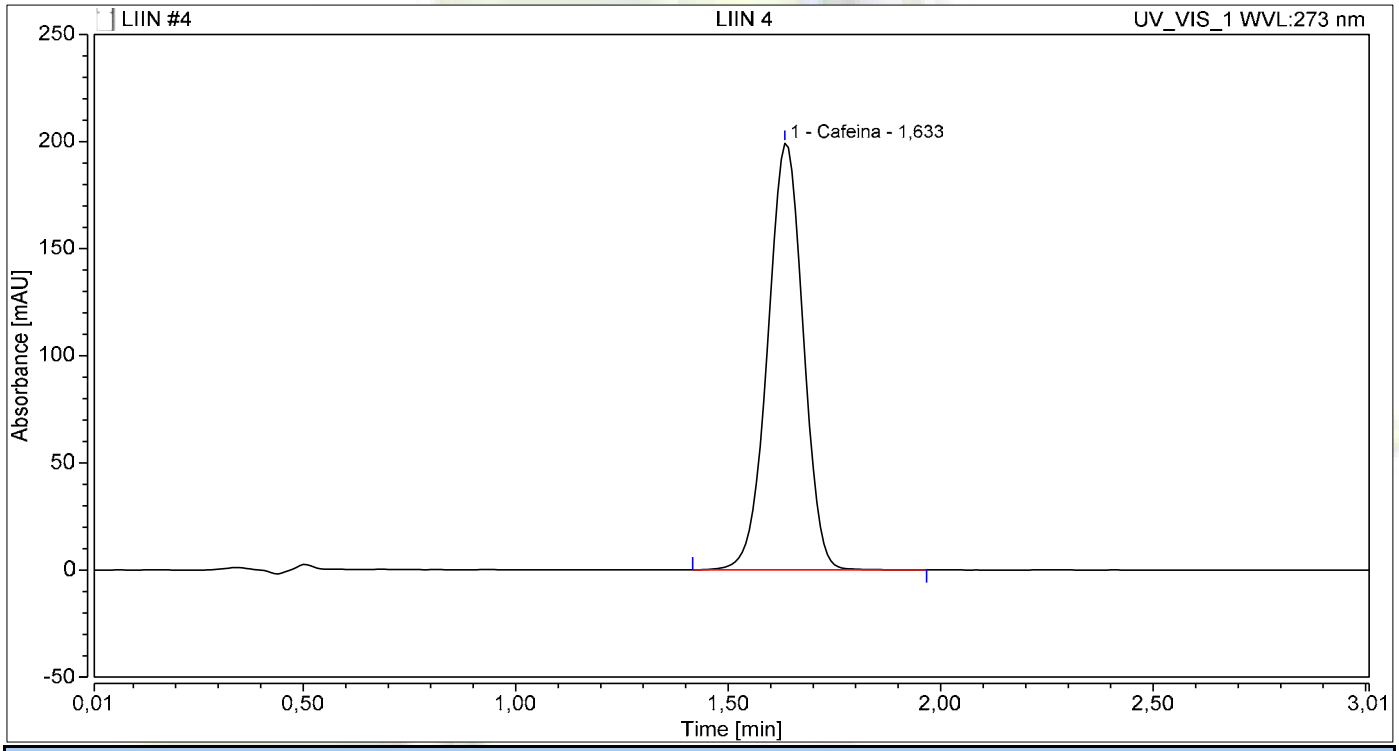
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,633	12,782	130,465	100,00	100,00	n.a.
Total:			**12,782**	**130,465**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**LIIN 4**	*Run Time (min):*	**3,00**
Vial Number:	**R:A1**	*Injection Volume:*	**15,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 12:28**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

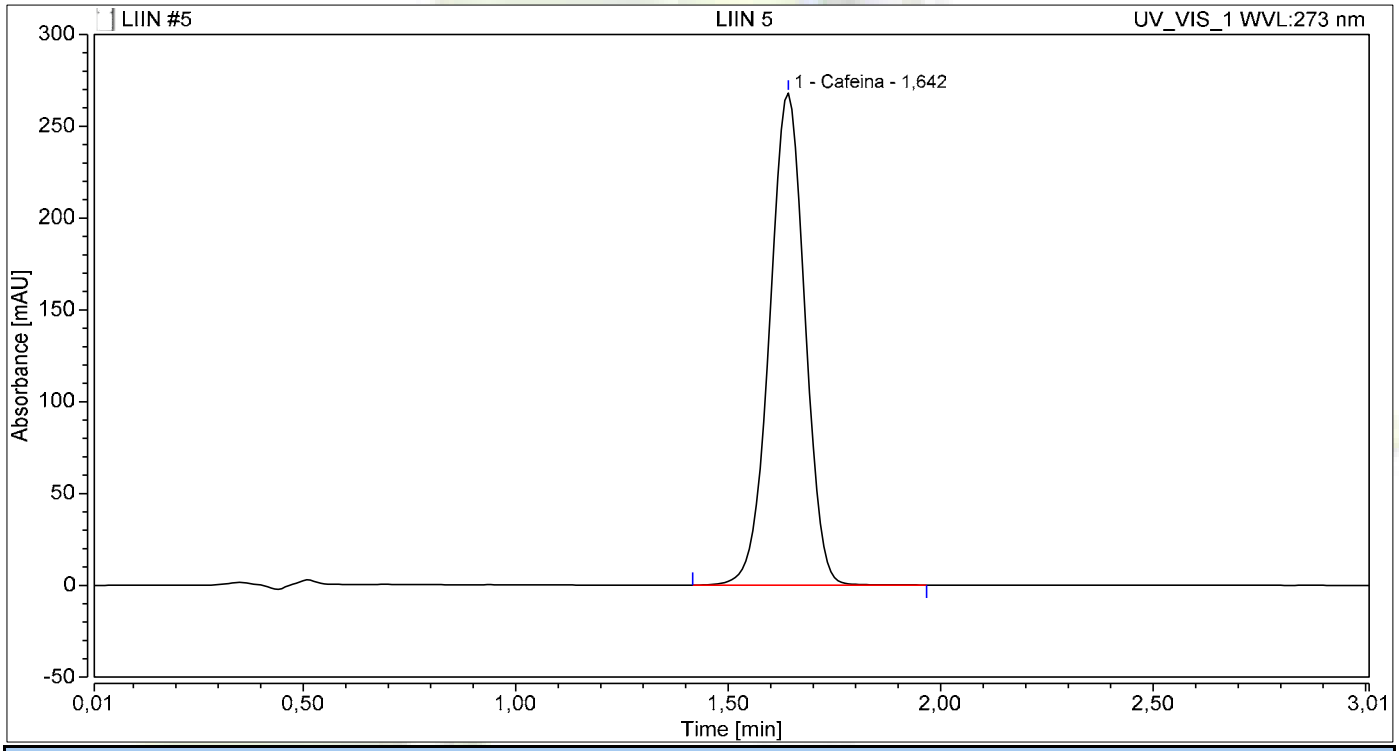
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,633	19,301	199,086	100,00	100,00	n.a.
Total:			**19,301**	**199,086**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**LIIN 5**	*Run Time (min):*	**3,00**
Vial Number:	**R:A1**	*Injection Volume:*	**20,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**4**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 12:32**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

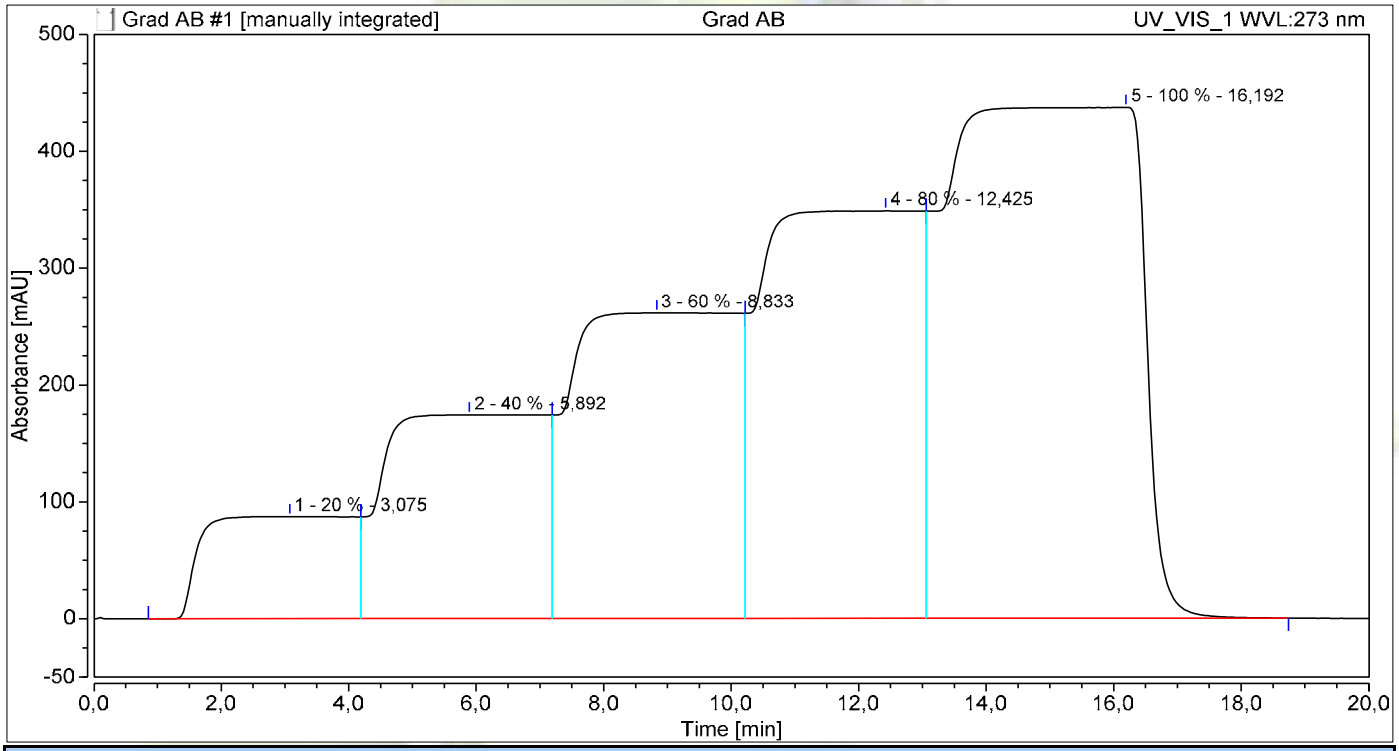
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	Cafeina	1,642	25,737	267,927	100,00	100,00	n.a.
Total:			**25,737**	**267,927**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**Grad AB**	*Run Time (min):*	**20,00**
Vial Number:	**R:A1**	*Injection Volume:*	**0,01**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Grad AB**	*Bandwidth:*	**4**
Processing Method:	**Grad AB**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 13:06**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

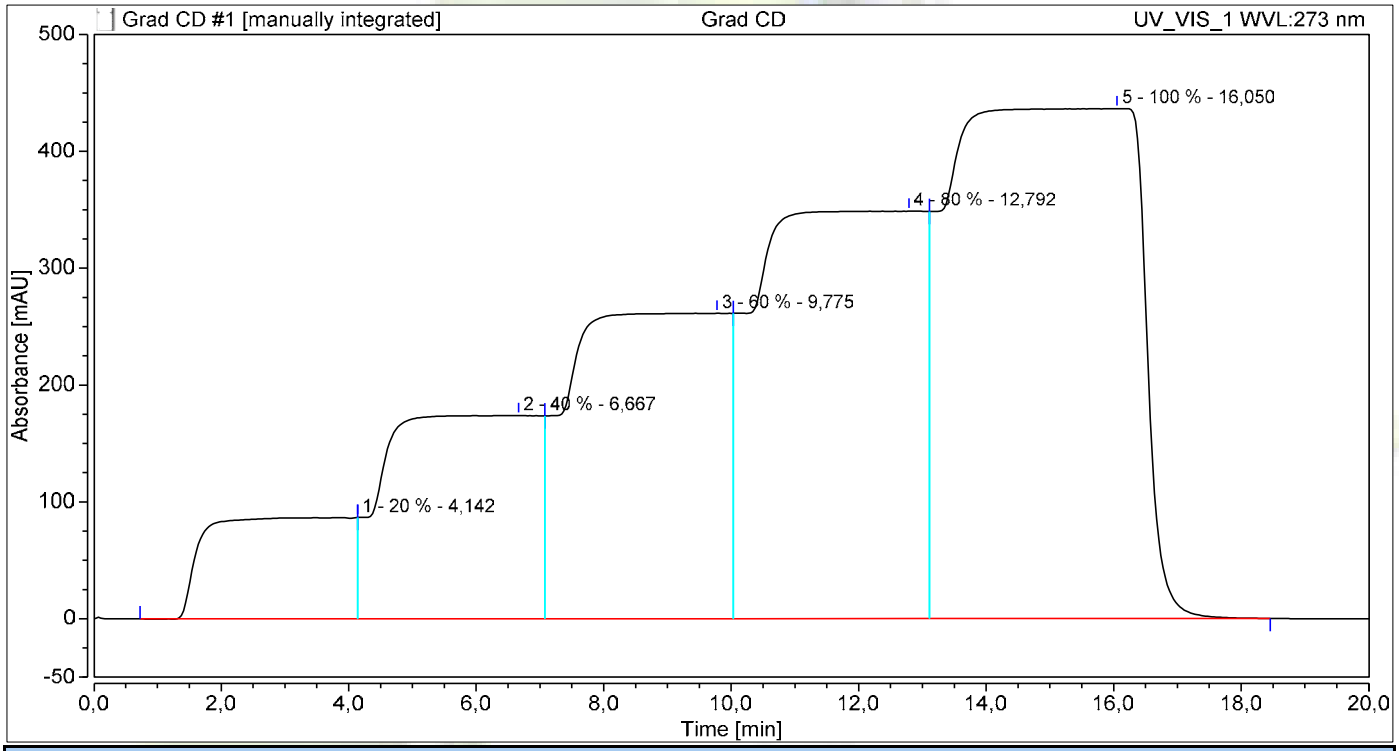
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	20 %	3,075	227,274	87,351	5,79	6,67	n.a.
2	40 %	5,892	489,208	174,343	12,46	13,32	n.a.
3	60 %	8,833	757,137	261,510	19,29	19,98	n.a.
4	80 %	12,425	959,589	348,703	24,45	26,64	n.a.
5	100 %	16,192	1492,279	437,069	38,02	33,39	n.a.
Total:			**3925,487**	**1308,976**	**100,00**	**100,00**	

Chromatogram and Results

Injection Details

Injection Name:	**Grad CD**	*Run Time (min):*	**20,00**
Vial Number:	**R:A1**	*Injection Volume:*	**0,01**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Grad CD**	*Bandwidth:*	**4**
Processing Method:	**Grad CD**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**23/jul/21 13:40**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	20 %	4,142	220,181	86,781	5,62	6,64	n.a.
2	40 %	6,667	471,350	173,956	12,03	13,31	n.a.
3	60 %	9,775	728,481	261,349	18,60	20,00	n.a.
4	80 %	12,792	1025,052	348,616	26,17	26,67	n.a.
5	100 %	16,050	1471,593	436,267	37,57	33,38	n.a.
Total:			**3916,657**	**1306,970**	**100,00**	**100,00**	