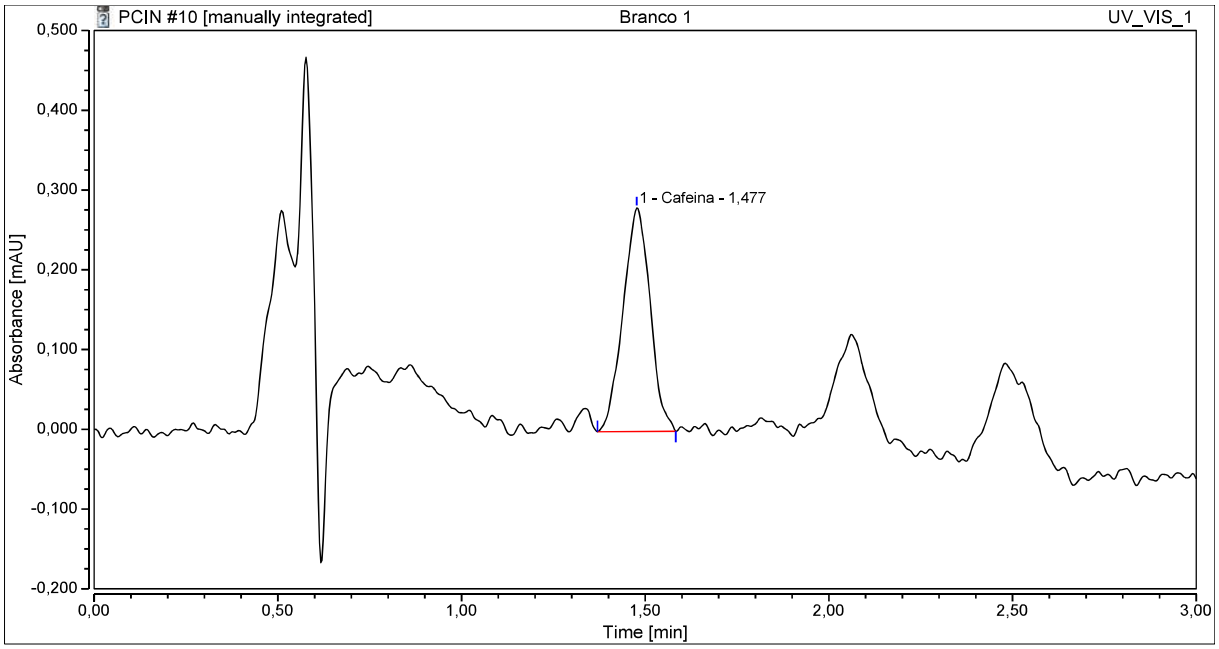
Chromatogram and Results

Injection Details

Injection Name:	**Branco 1**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 13:26**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,477	0,0240	0,280	100,00	100,00	n.a.
Total:			**0,024**	**0,280**	**100,000**	**100,000**	

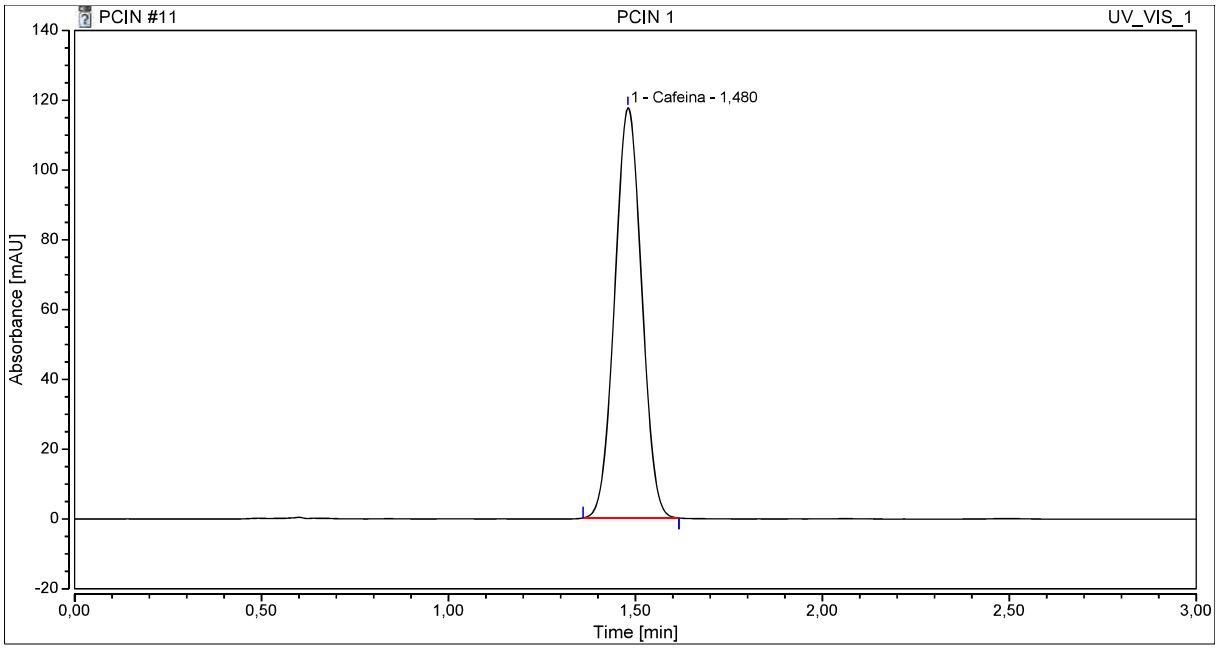
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Chromeleon 7.3.2.11814

Chromatogram and Results

Injection Details

Injection Name:	**PCIN 1**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 13:30**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,480	9,8081	117,631	100,00	100,00	n.a.
Total:			**9,808**	**117,631**	**100,000**	**100,000**	

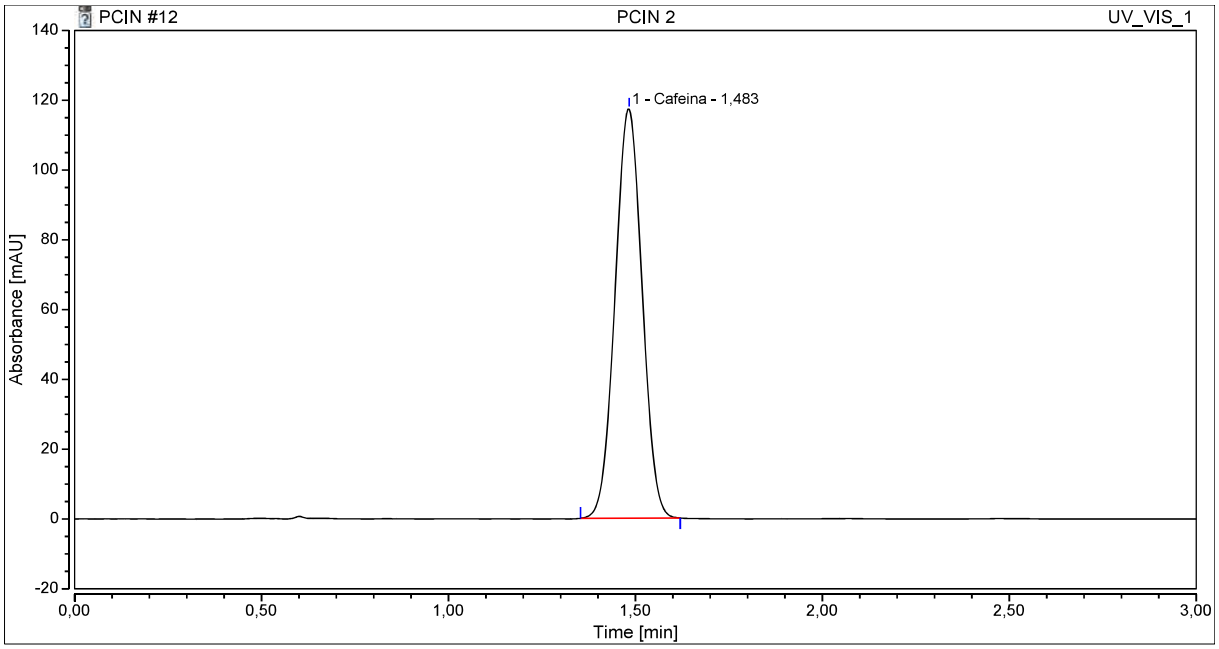
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Chromatogram and Results

Injection Details

Injection Name:	**PCIN 2**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 13:33**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,483	9,8230	117,234	100,00	100,00	n.a.
Total:			**9,823**	**117,234**	**100,000**	**100,000**	

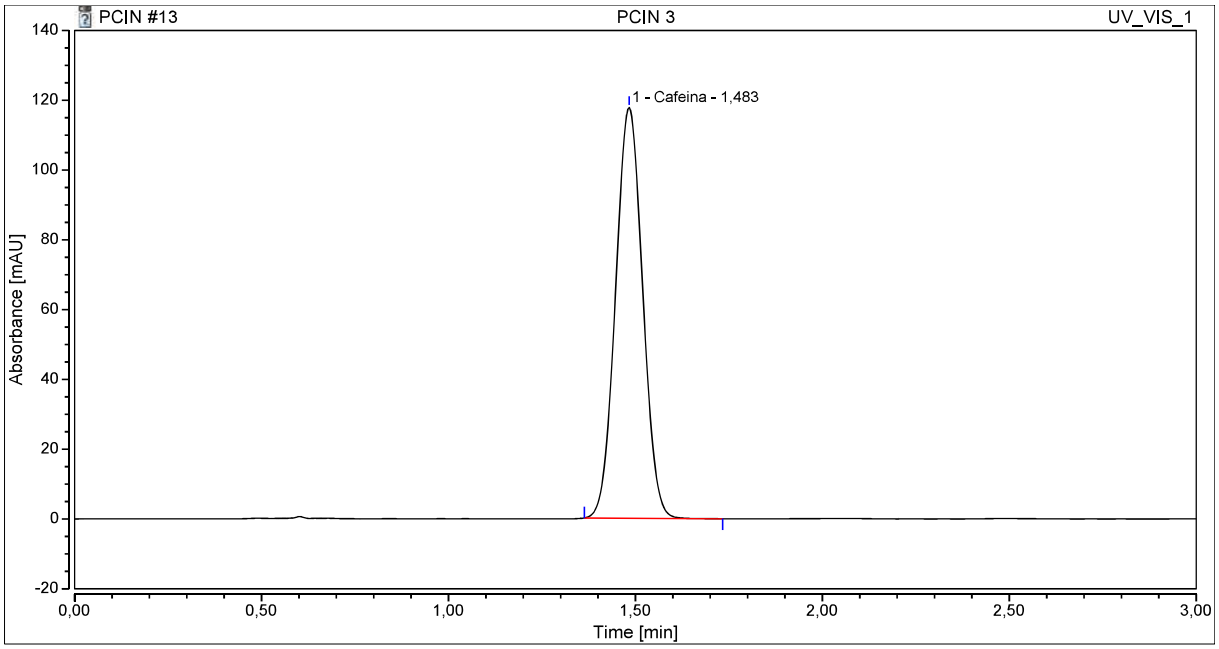
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Chromatogram and Results

Injection Details

Injection Name:	**PCIN 3**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 13:37**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,483	9,8601	117,731	100,00	100,00	n.a.
Total:			**9,860**	**117,731**	**100,000**	**100,000**	

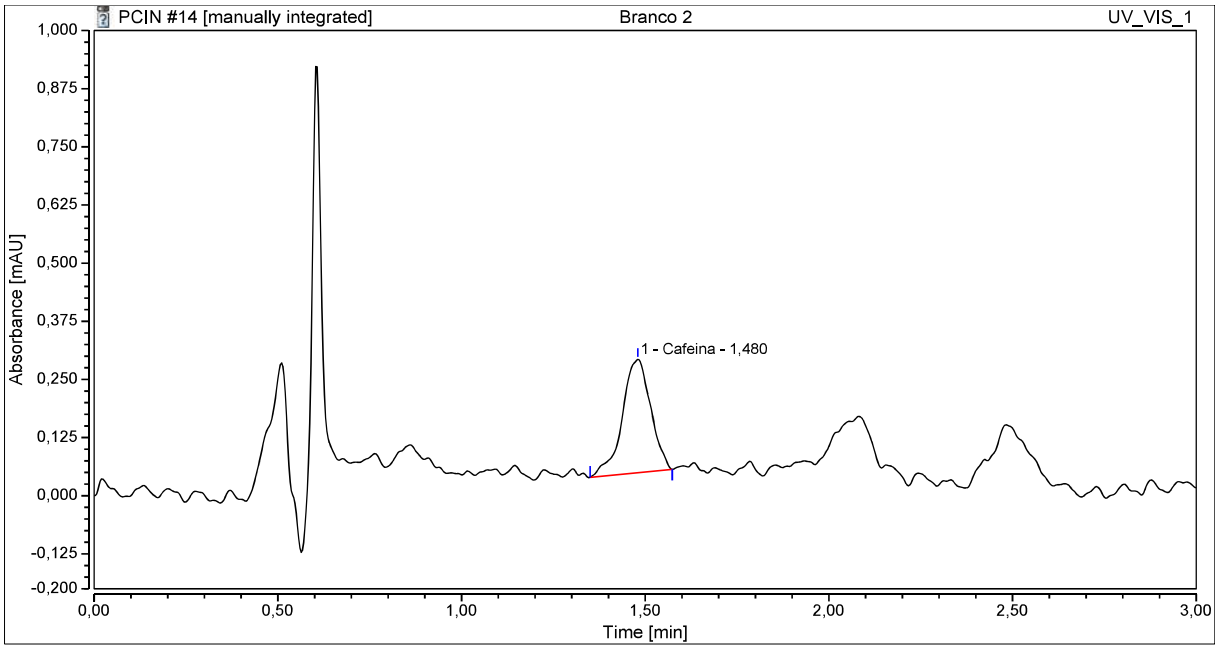
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Chromatogram and Results

Injection Details

Injection Name:	**Branco 2**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 13:41**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,480	0,0219	0,244	100,00	100,00	n.a.
Total:			**0,022**	**0,244**	**100,000**	**100,000**	

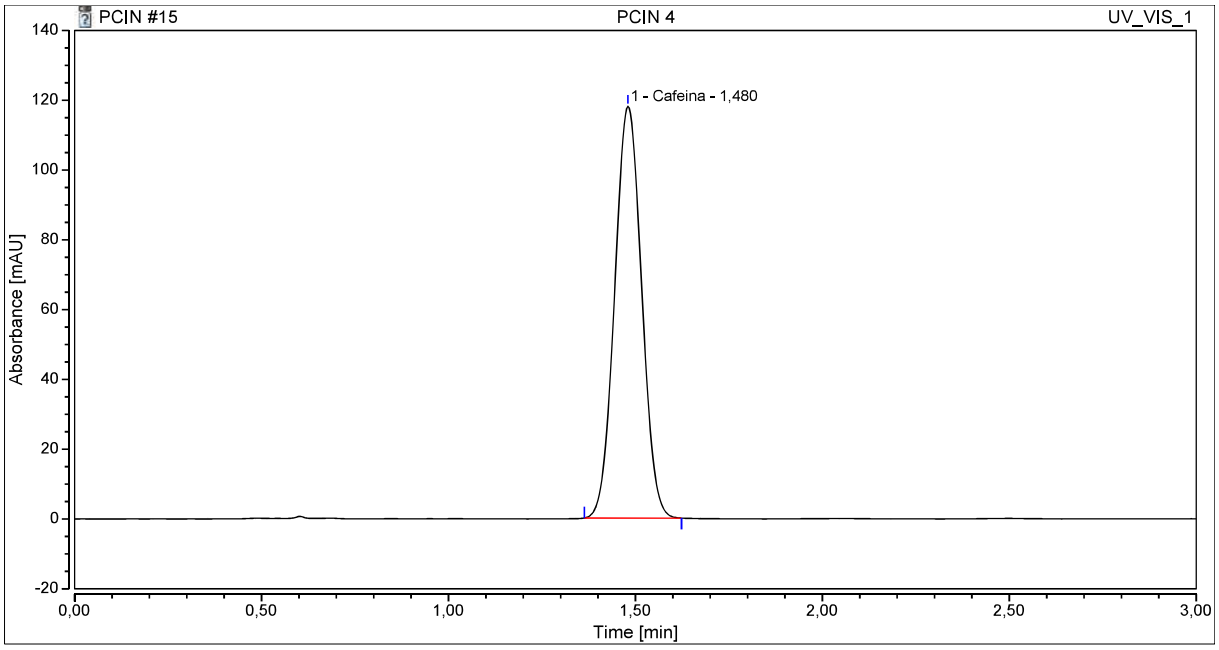
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Chromatogram and Results

Injection Details

Injection Name:	**PCIN 4**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 13:45**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,480	9,8436	118,032	100,00	100,00	n.a.
Total:			**9,844**	**118,032**	**100,000**	**100,000**	

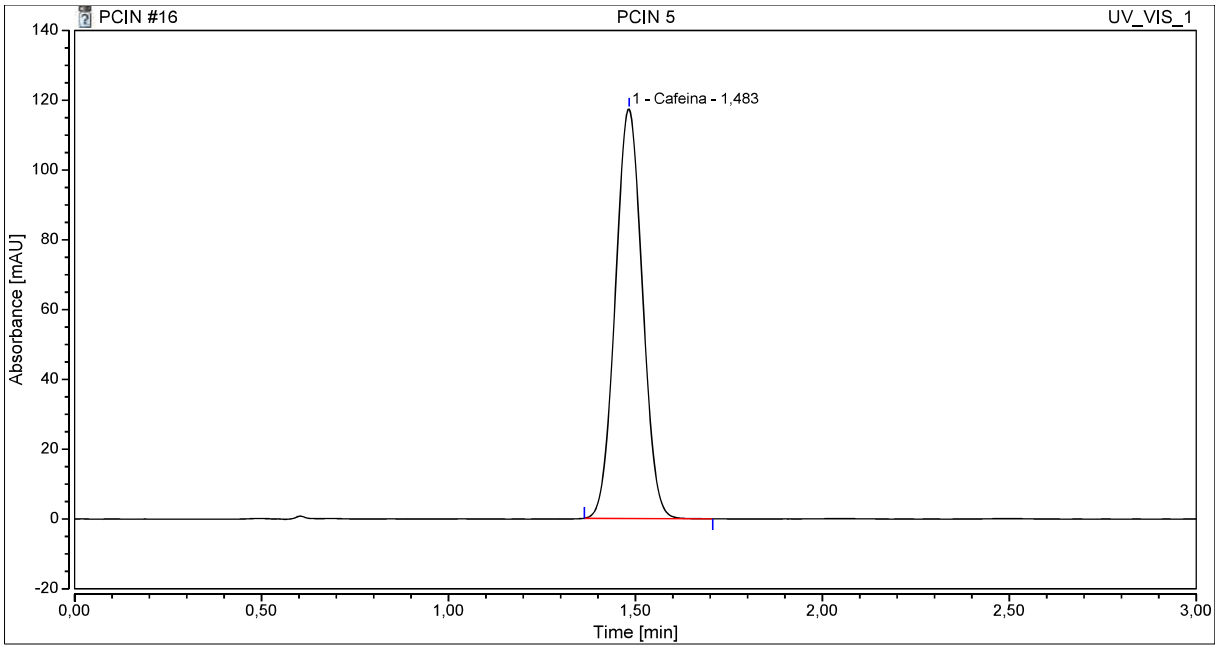
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Chromatogram and Results

Injection Details

Injection Name:	**PCIN 5**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 13:49**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,483	9,8228	117,358	100,00	100,00	n.a.
Total:			**9,823**	**117,358**	**100,000**	**100,000**	

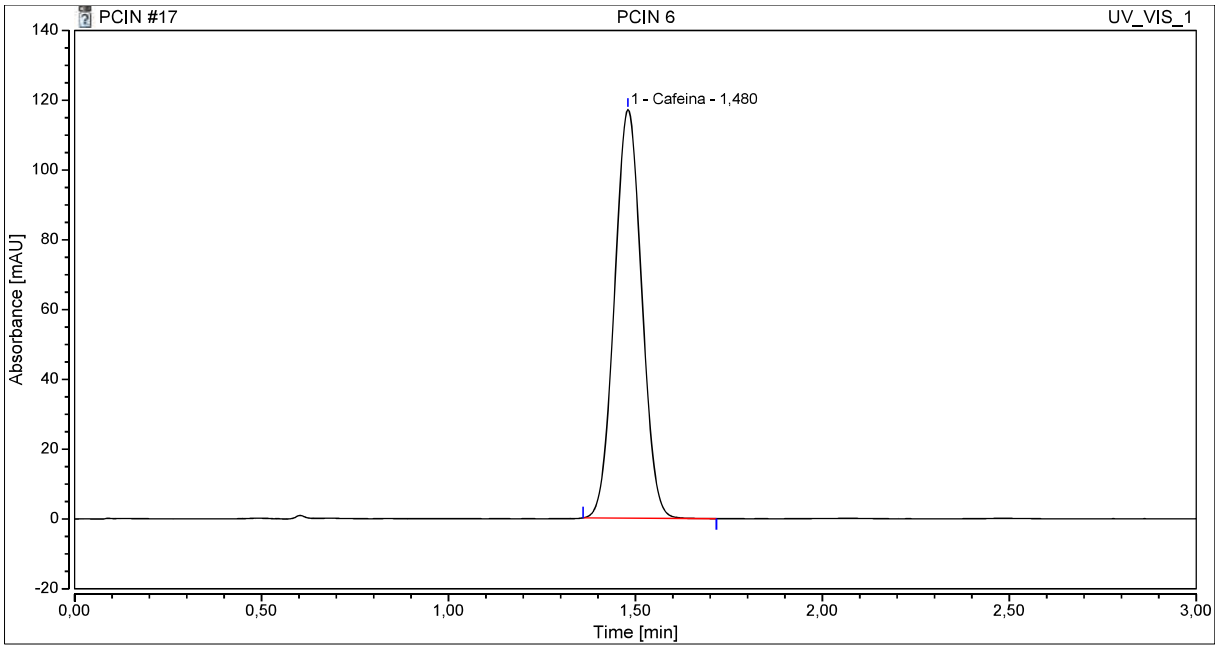
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Chromatogram and Results

Injection Details

Injection Name:	**PCIN 6**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 13:53**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,480	9,8466	117,181	100,00	100,00	n.a.
Total:			**9,847**	**117,181**	**100,000**	**100,000**	

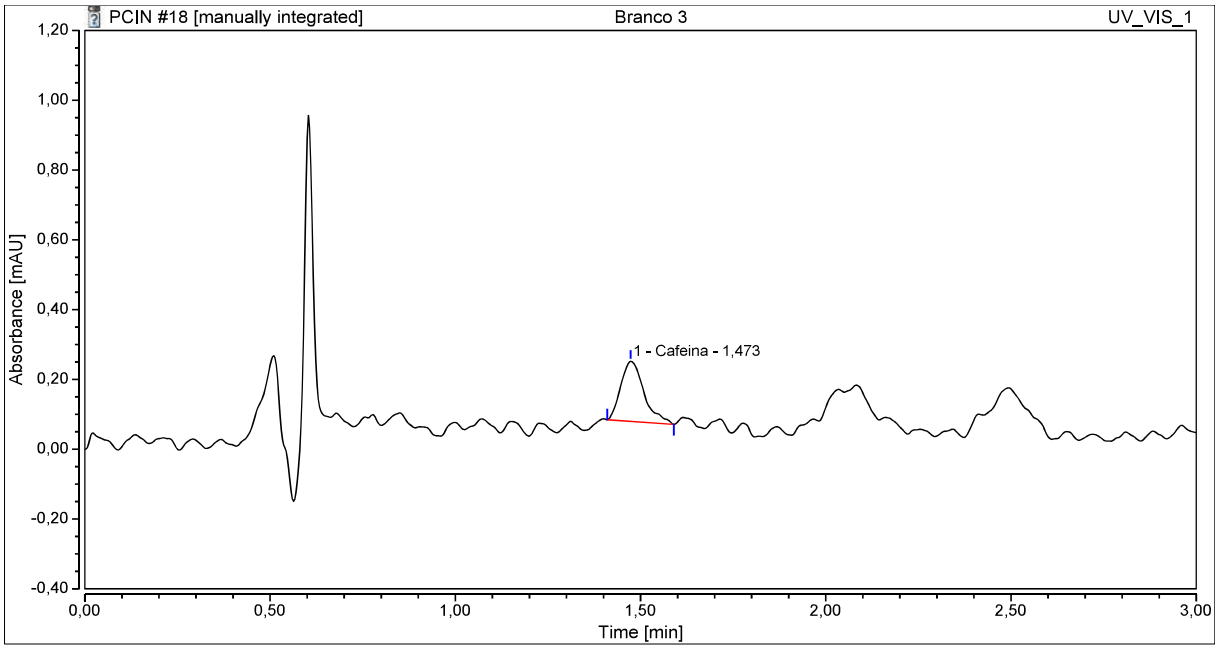
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Chromatogram and Results

Injection Details

Injection Name:	**Branco 3**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 13:56**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,473	0,0125	0,172	100,00	100,00	n.a.
Total:			**0,013**	**0,172**	**100,000**	**100,000**	

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Resultado obtido na altura do pico

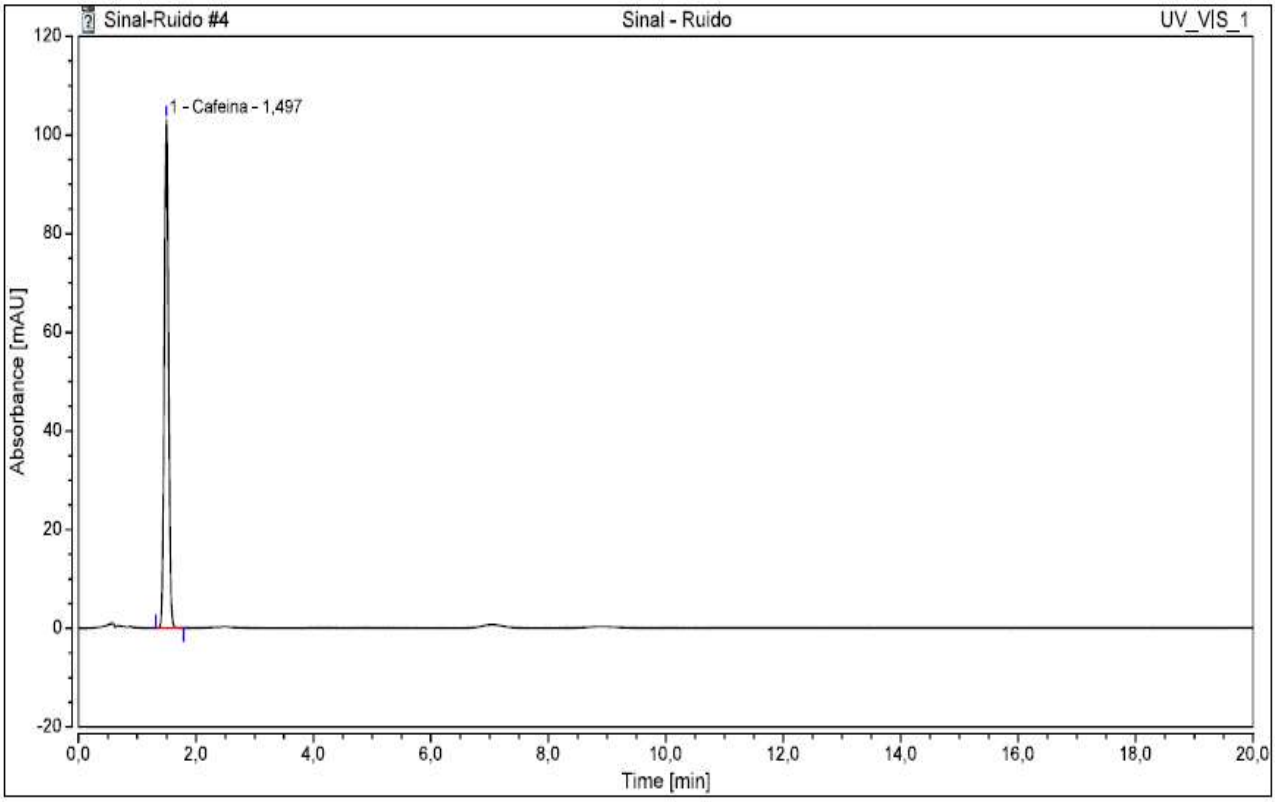
	ALTURA DO PICO (mAU)
Resultado:	**103,0970**

Chromatogram and Results

Injection Details

Injection Name:	**Sinal - Ruido**	*Run Time (min):*	**20,00**
Vial Number:	**BA1**	*Injection Volume:*	**20,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**250**
Instrument Method:	**Sinal-Ruido**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 15:13**	*Sample Weight:*	**1,0000**

Chromatogram



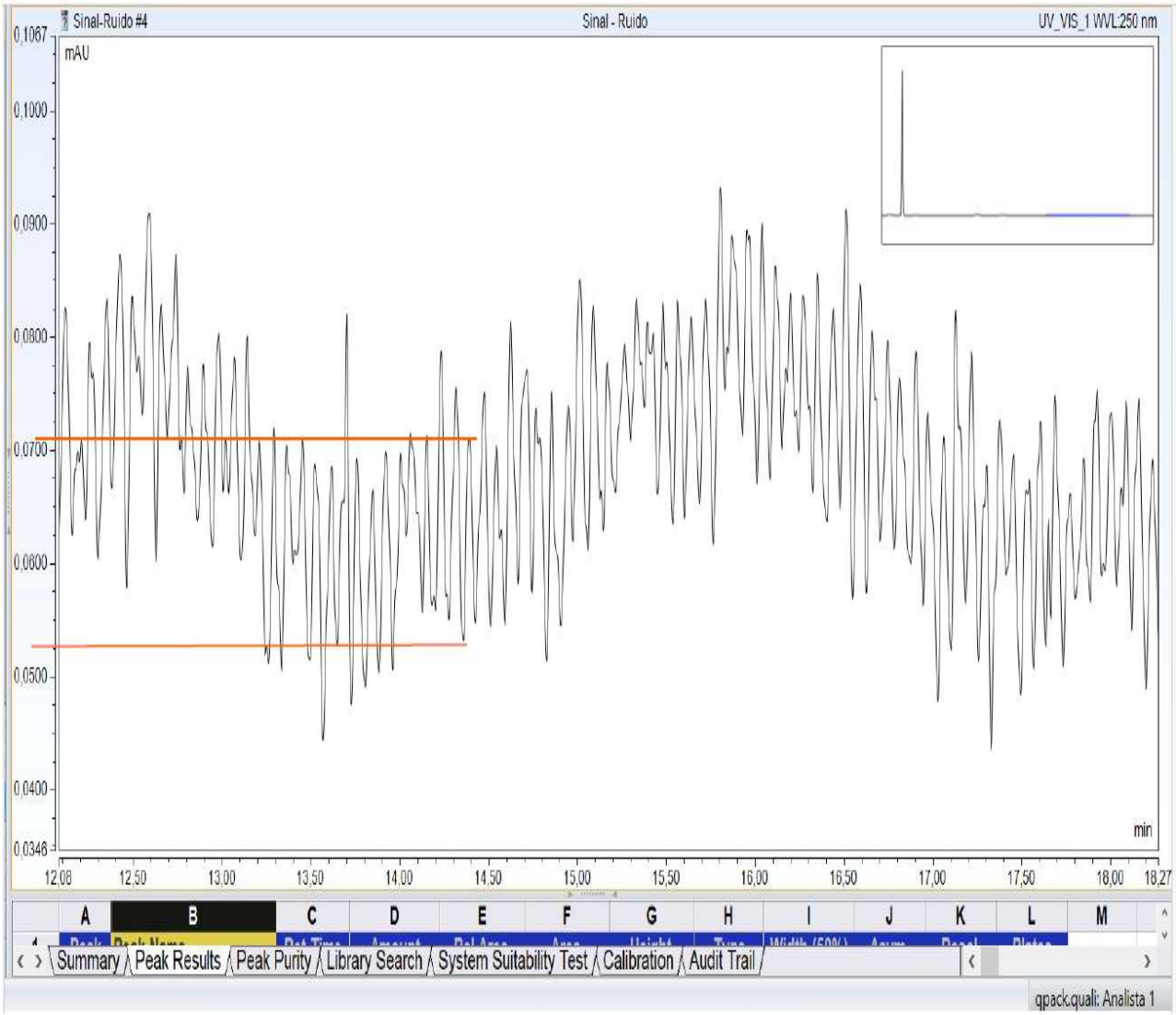
Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,497	8,5910	103,097	100,00	100,00	n.a.
Total:			**8,591**	**103,097**	**100,000**	**100,000**	

Certificado Nº: 422/25 - RELB	Início da Qualificação: 11/09/2025	Página 2 de 3

Resultado obtido no teste de sinal/ruído

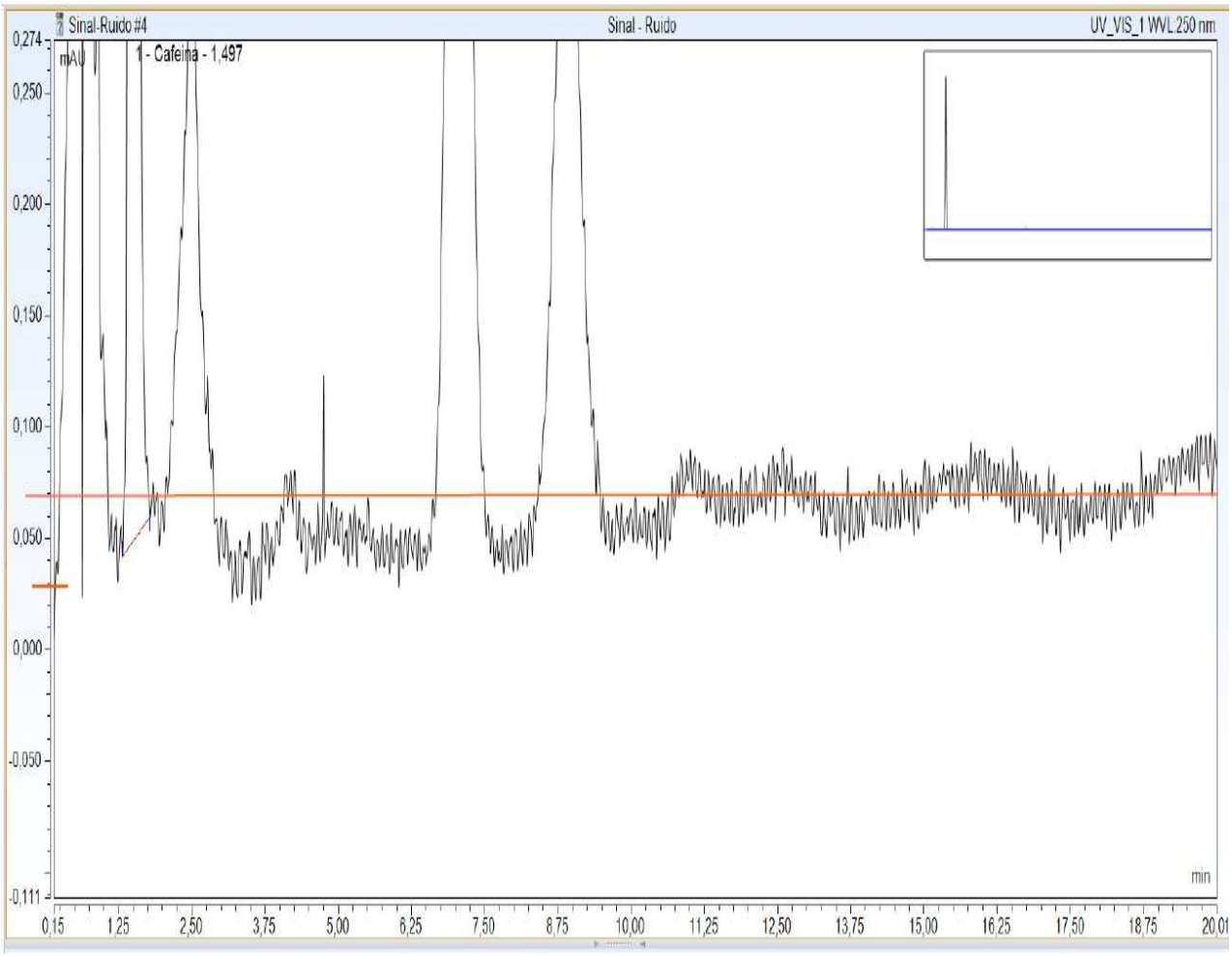
Resultado:	Ruído (mAU)
VALOR MÁXIMO:	**0,071**
VALOR MÍNIMO:	**0,053**
	Ruído
	0,019

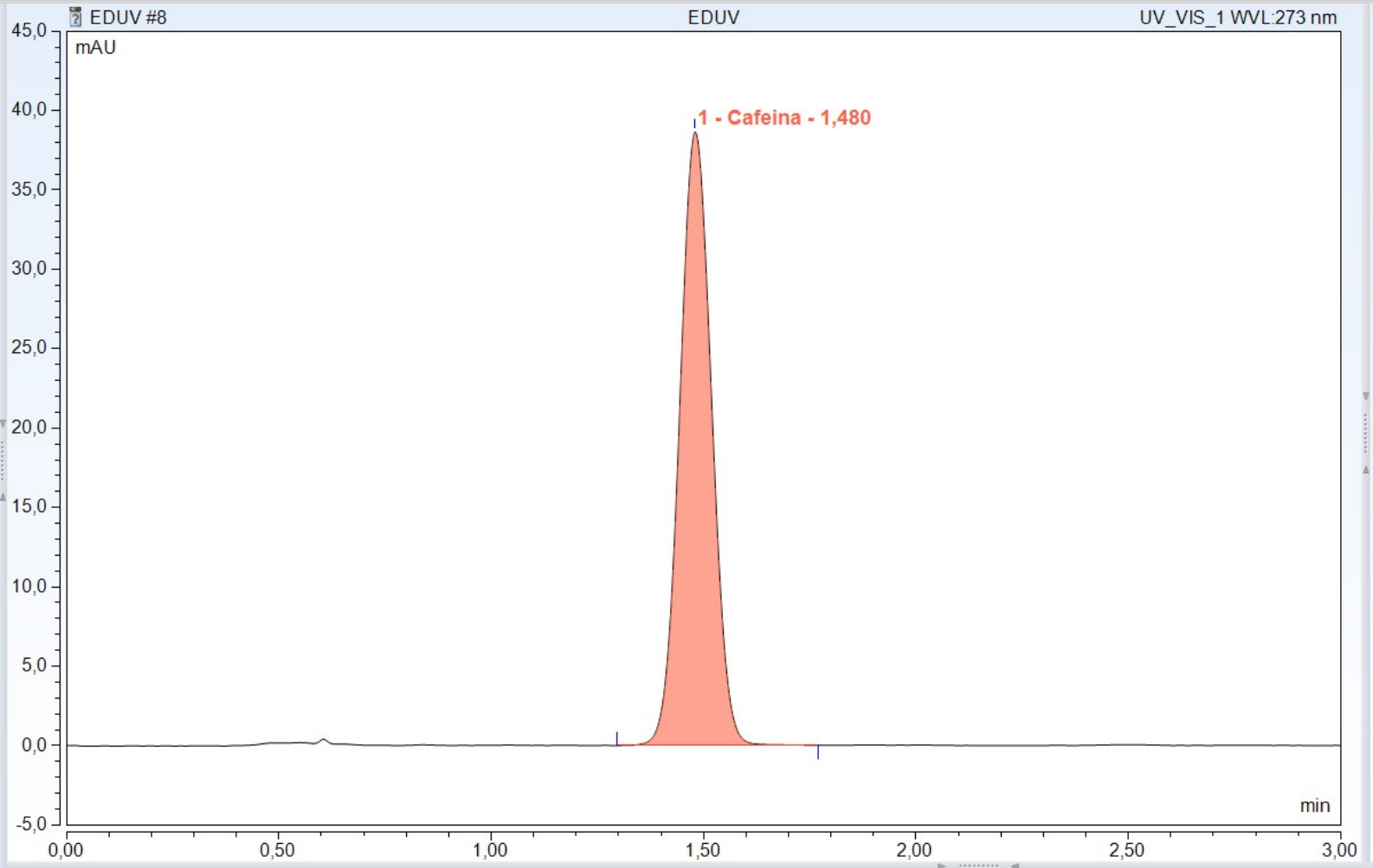


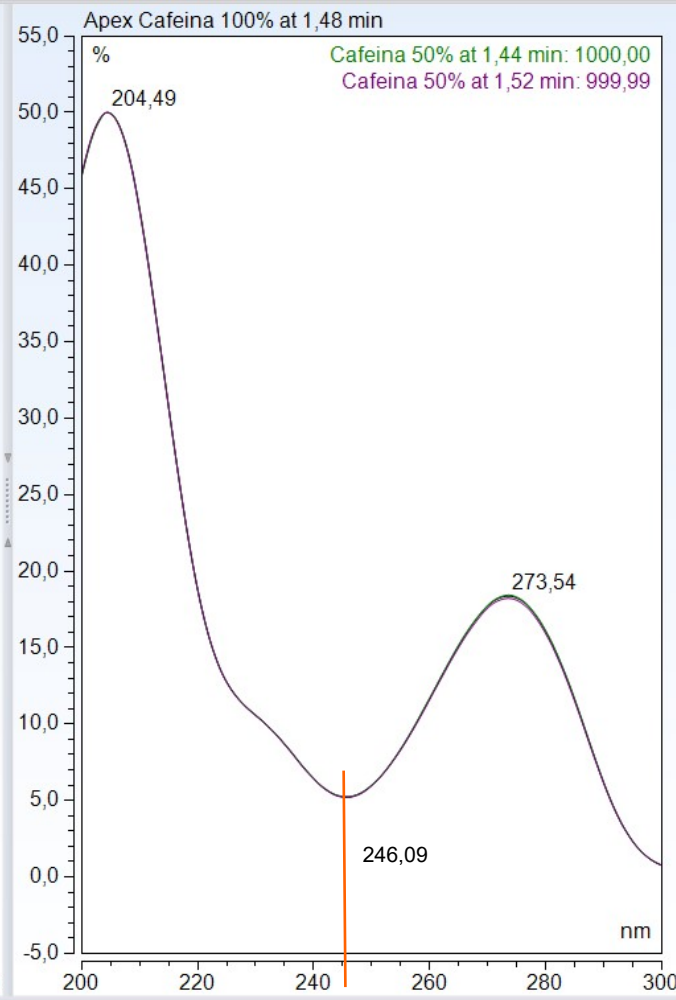
Certificado Nº:422/25 - RELB	Início da Qualificação:11/09/2025	Página 3 de 3

Resultado obtido no teste estabilidade da linha de base

Estabilidade da Linha de Base	Diferença 20 min	Diferença 60 min
VALOR MÁXIMO:	0,070	0,1200
VALOR MÍNIMO:	0,030	
Resultado:	0,0400	







Algorithm: Cobra Run Cobra Wizard...

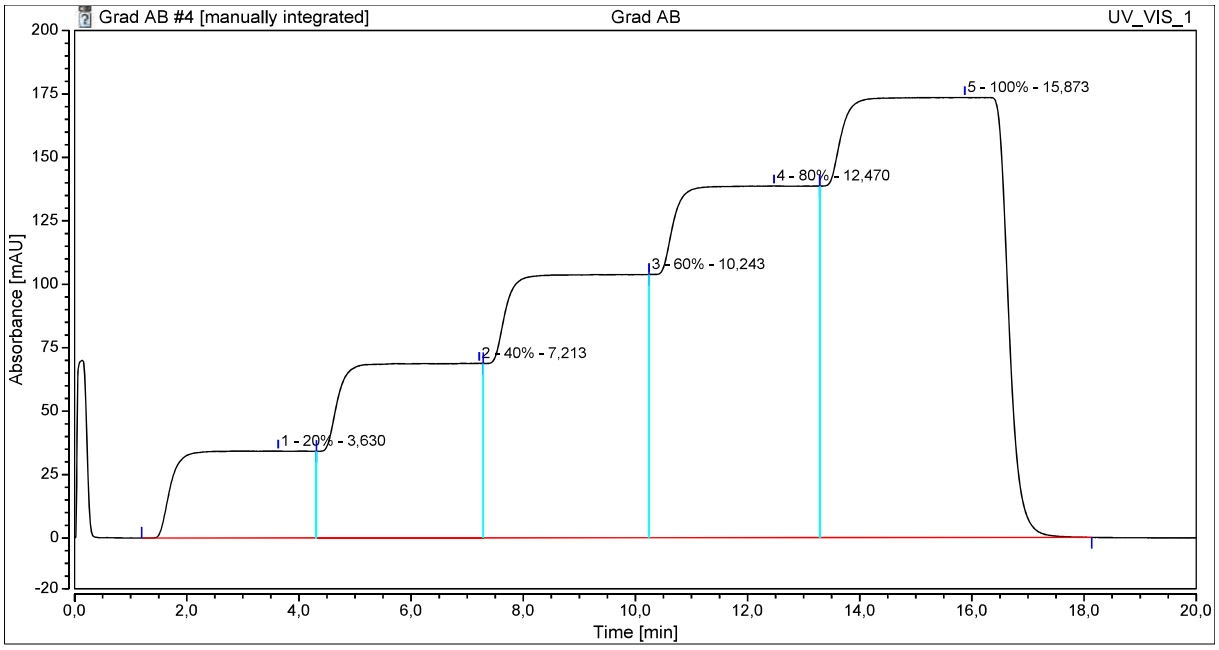
qpack.quali: Analista 1

Chromatogram and Results

Injection Details

Injection Name:	**Grad AB**	*Run Time (min):*	**20,00**
Vial Number:	**BA1**	*Injection Volume:*	**0,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Grad AB**	*Bandwidth:*	**3**
Processing Method:	**Gradiente**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**12/set/25 09:37**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	20%	3,630	89,1427	34,249	5,73	6,60	n.a.
2	40%	7,213	191,1622	68,771	12,29	13,25	n.a.
3	60%	10,243	292,6310	103,751	18,82	20,00	n.a.
4	80%	12,470	406,4486	138,633	26,14	26,72	n.a.
5	100%	15,873	575,4259	173,431	37,01	33,43	n.a.
n.a.	100%	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total:			**1554,810**	**518,834**	**100,000**	**100,000**	

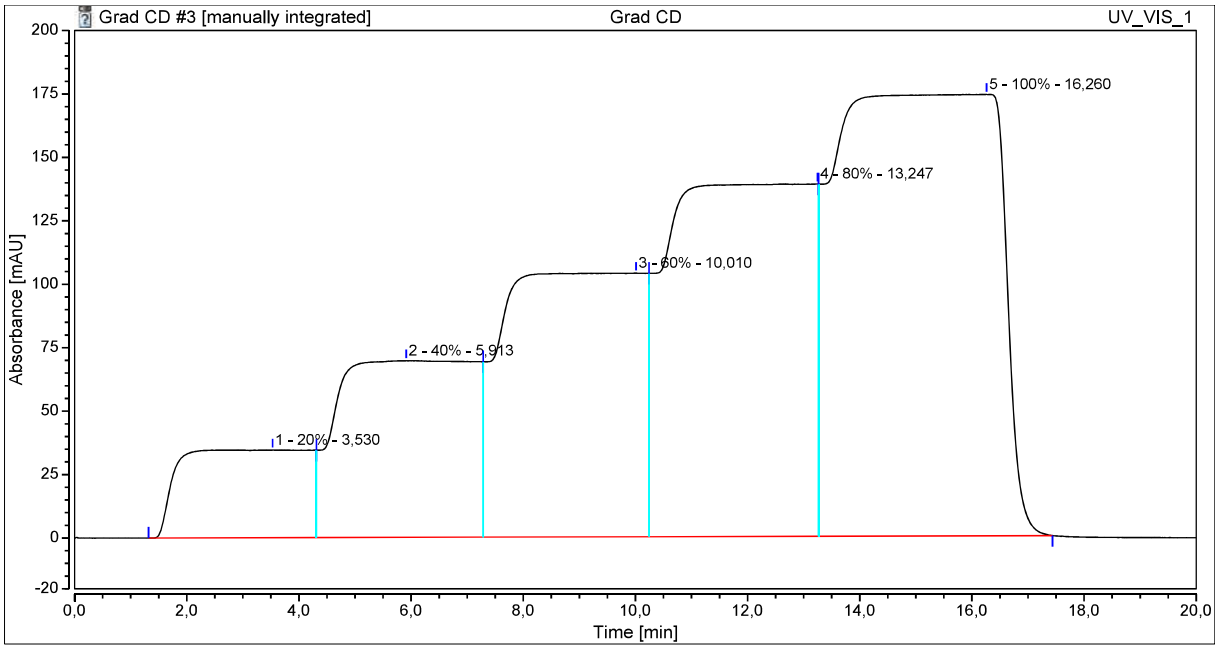
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Chromatogram and Results

Injection Details

Injection Name:	**Grad CD**	*Run Time (min):*	**20,00**
Vial Number:	**BA1**	*Injection Volume:*	**0,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Grad CD**	*Bandwidth:*	**3**
Processing Method:	**Gradiente**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**12/set/25 10:32**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	20%	3,530	90,1102	34,535	5,78	6,63	n.a.
2	40%	5,913	193,1545	69,598	12,38	13,36	n.a.
3	60%	10,010	293,4057	103,871	18,81	19,95	n.a.
4	80%	13,247	403,7149	138,814	25,89	26,66	n.a.
5	100%	16,260	579,2603	173,950	37,14	33,40	n.a.
Total:			**1559,646**	**520,768**	**100,000**	**100,000**	

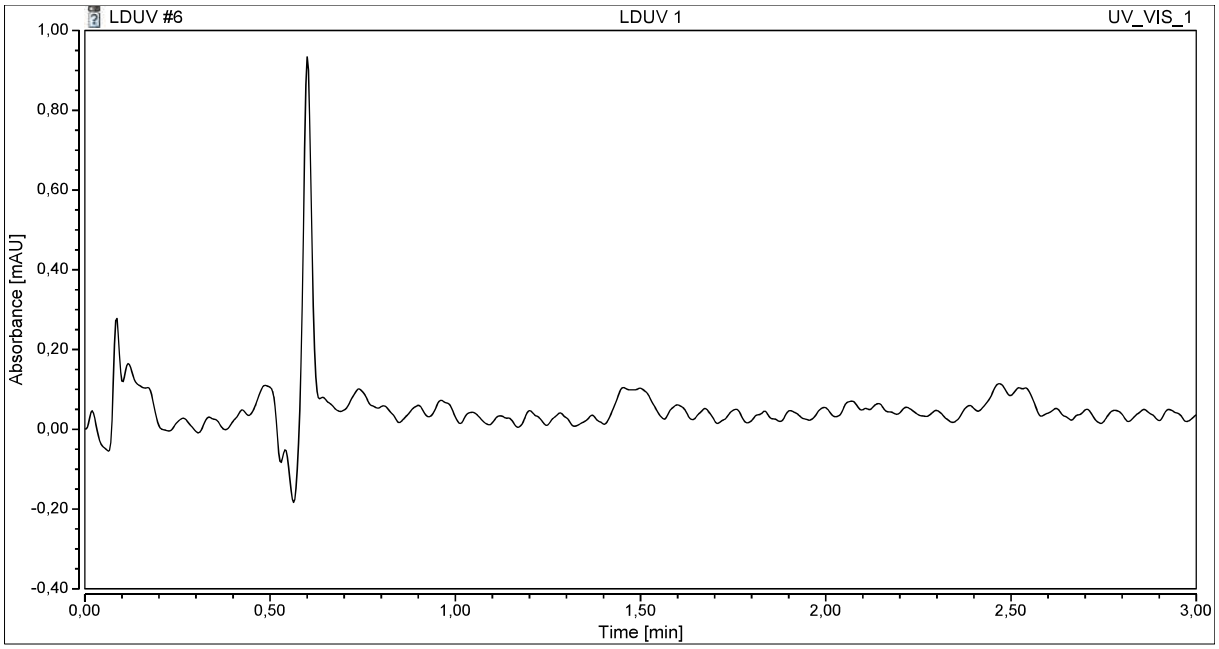
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Chromatogram and Results

Injection Details

Injection Name:	**LDUV 1**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 14:20**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
n.a.	Cafeina	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total:			**0,000**	**0,000**	**0,000**	**0,000**	

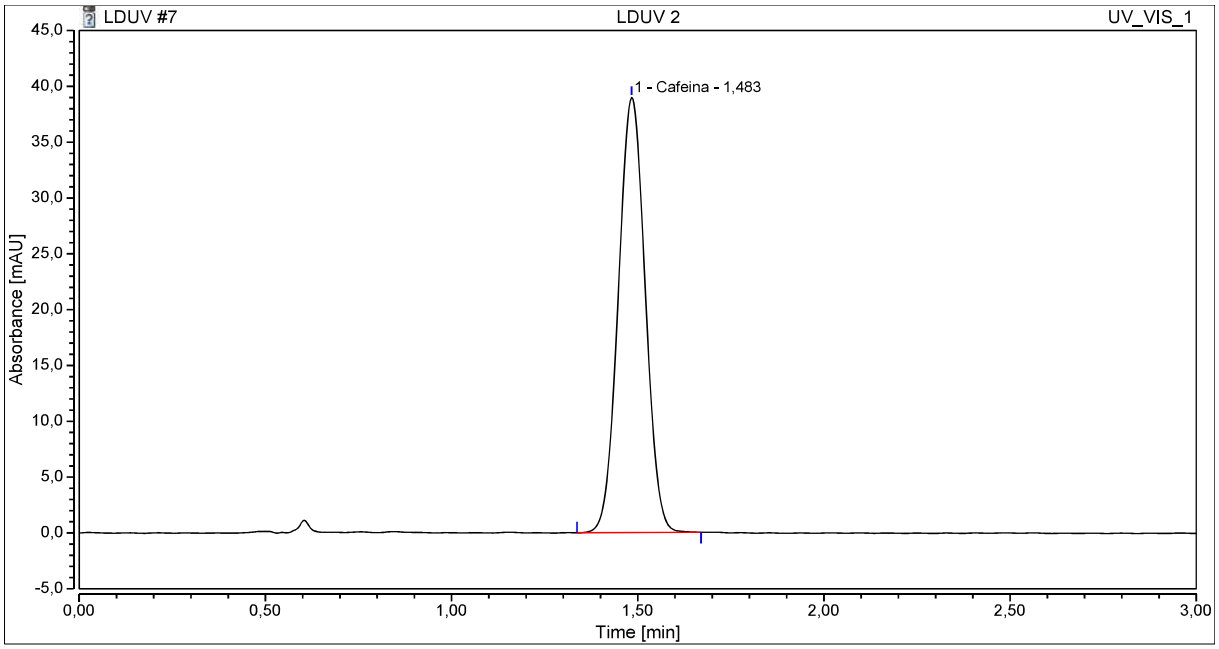
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Chromatogram and Results

Injection Details

Injection Name:	**LDUV 2**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 14:24**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,483	3,2592	38,971	100,00	100,00	n.a.
Total:			**3,259**	**38,971**	**100,000**	**100,000**	

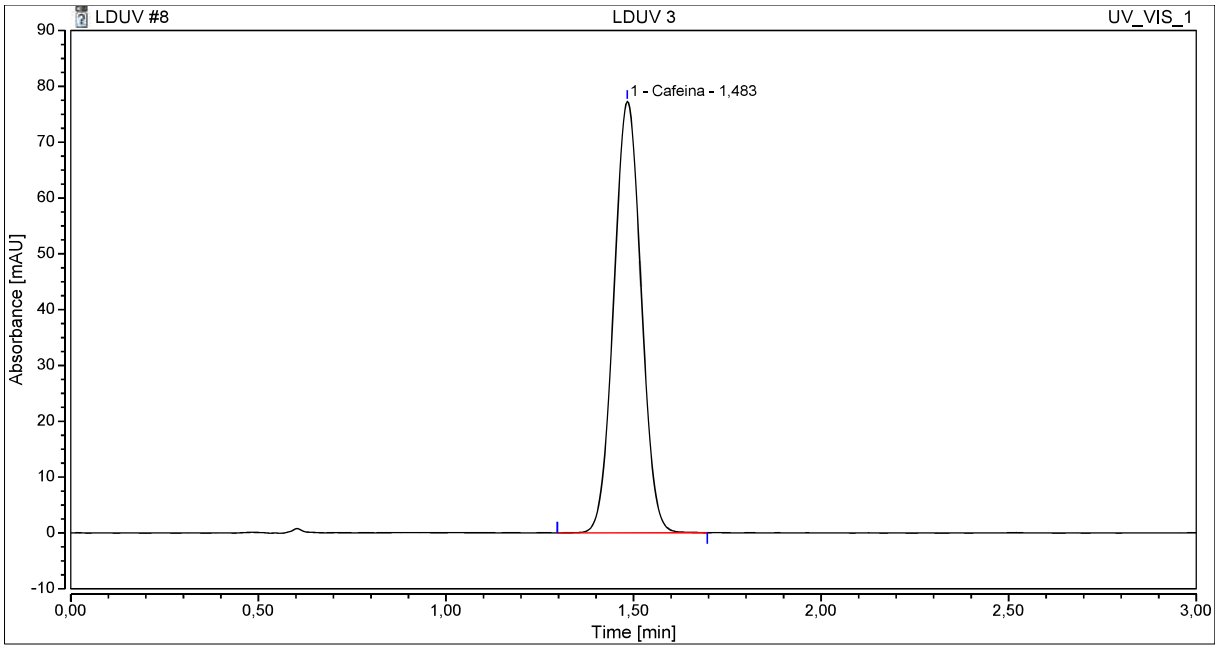
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Chromatogram and Results

Injection Details

Injection Name:	**LDUV 3**	*Run Time (min):*	**3,00**
Vial Number:	**BA3**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 14:27**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,483	6,5295	77,307	100,00	100,00	n.a.
Total:			**6,529**	**77,307**	**100,000**	**100,000**	

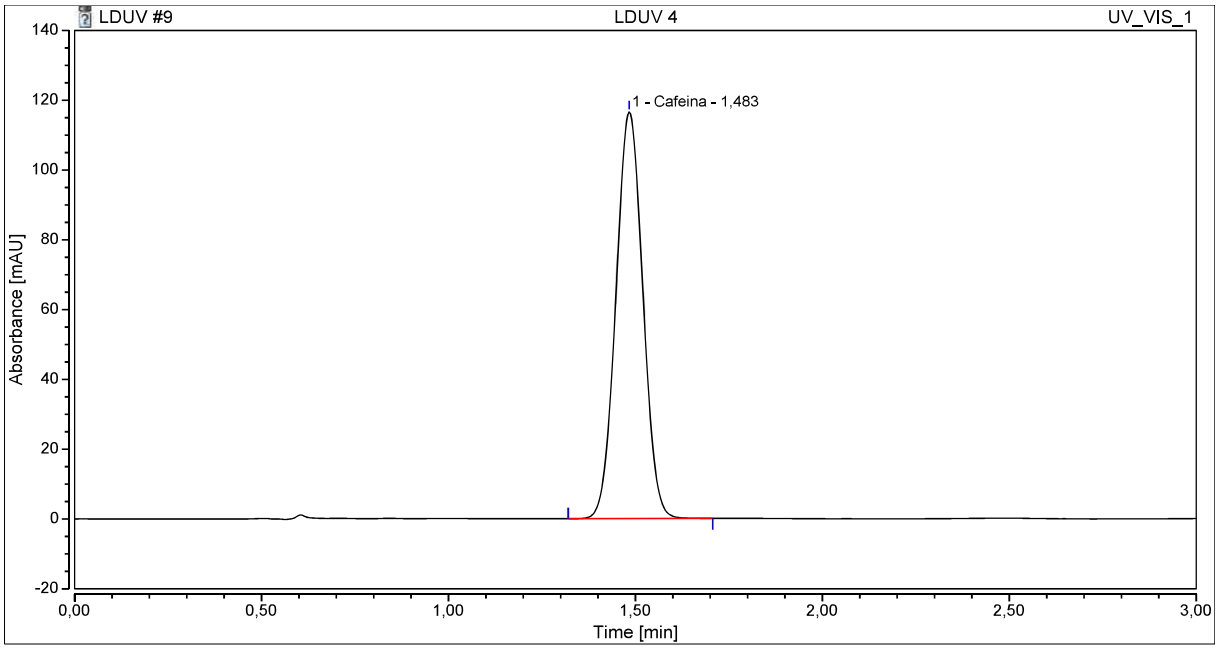
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Chromatogram and Results

Injection Details

Injection Name:	**LDUV 4**	*Run Time (min):*	**3,00**
Vial Number:	**BA4**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 14:31**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,483	9,7005	116,540	100,00	100,00	n.a.
Total:			**9,701**	**116,540**	**100,000**	**100,000**	

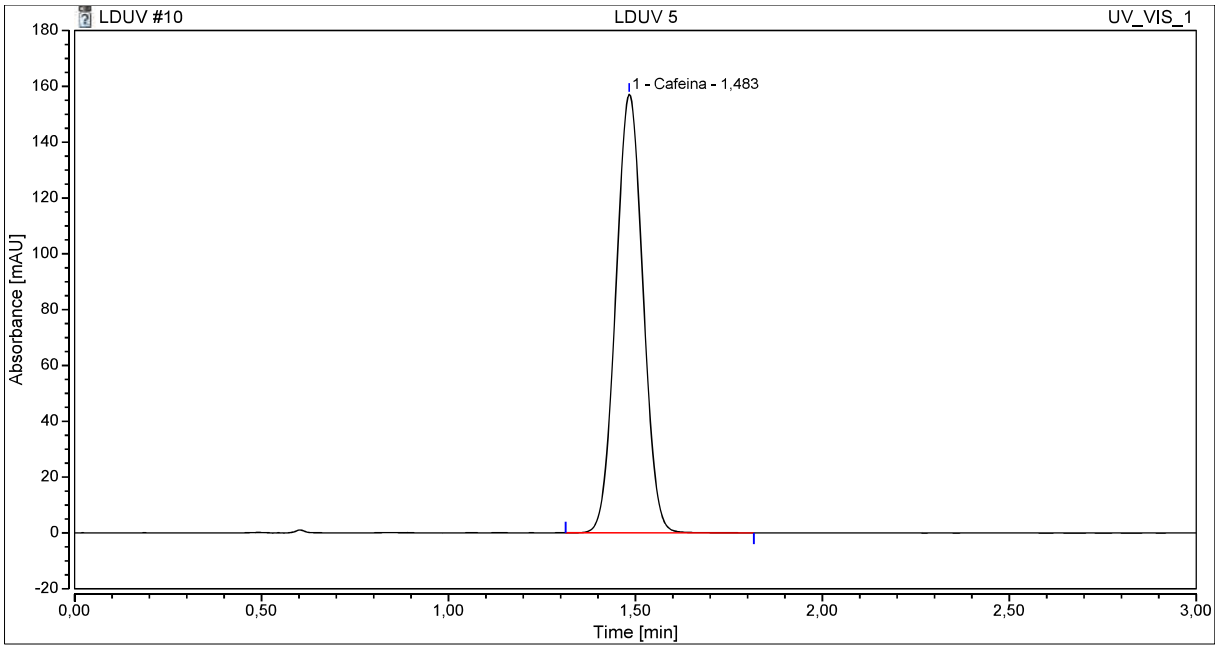
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Chromatogram and Results

Injection Details

Injection Name:	**LDUV 5**	*Run Time (min):*	**3,00**
Vial Number:	**BA5**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 14:35**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,483	13,1915	157,133	100,00	100,00	n.a.
Total:			**13,191**	**157,133**	**100,000**	**100,000**	

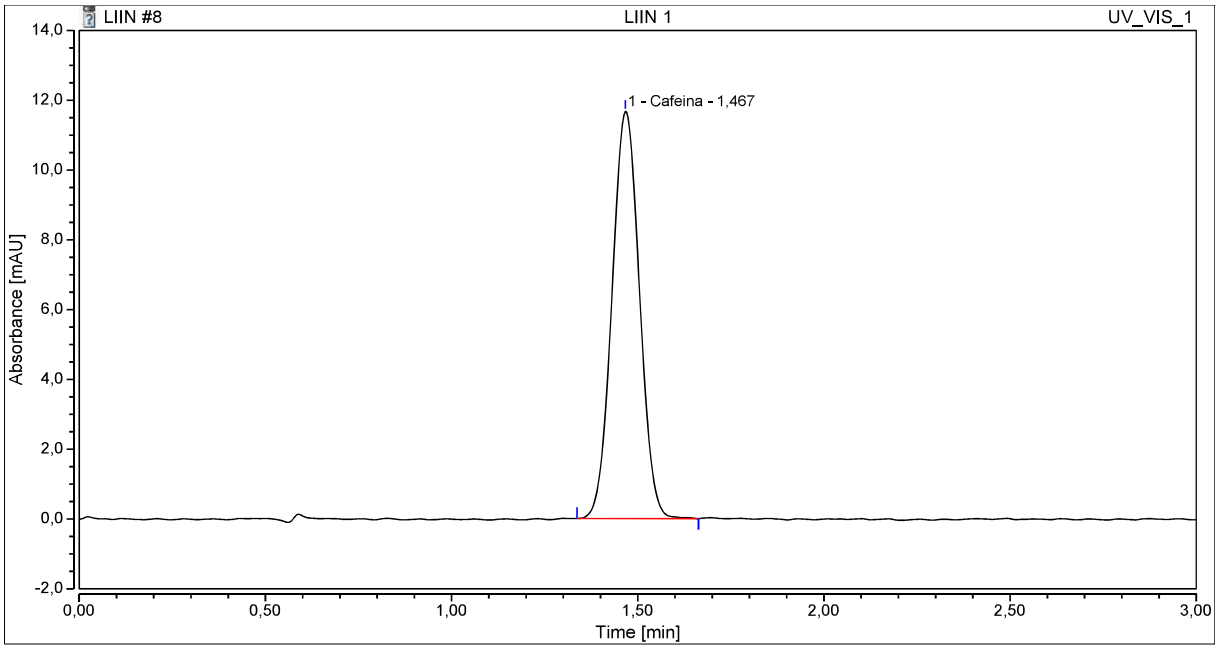
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Chromatogram and Results

Injection Details

Injection Name:	**LIIN 1**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**1,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 14:51**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,467	0,9974	11,669	100,00	100,00	n.a.
Total:			**0,997**	**11,669**	**100,000**	**100,000**	

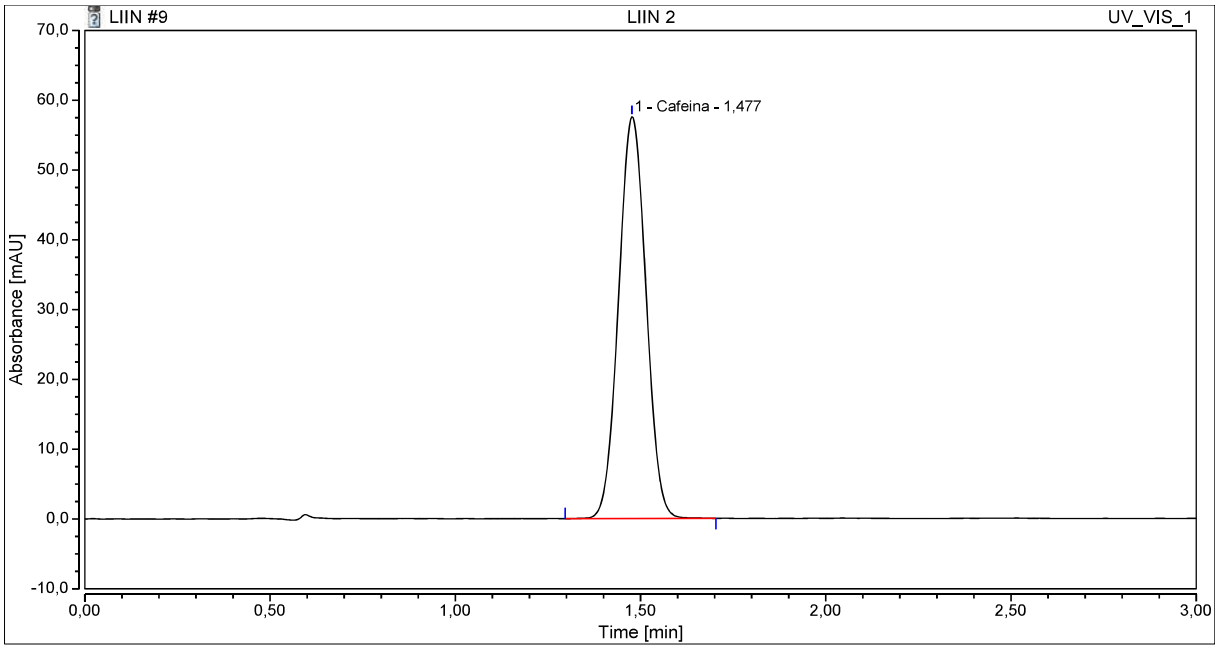
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Chromatogram and Results

Injection Details

Injection Name:	**LIIN 2**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**5,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 14:55**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,477	4,9405	57,586	100,00	100,00	n.a.
Total:			**4,940**	**57,586**	**100,000**	**100,000**	

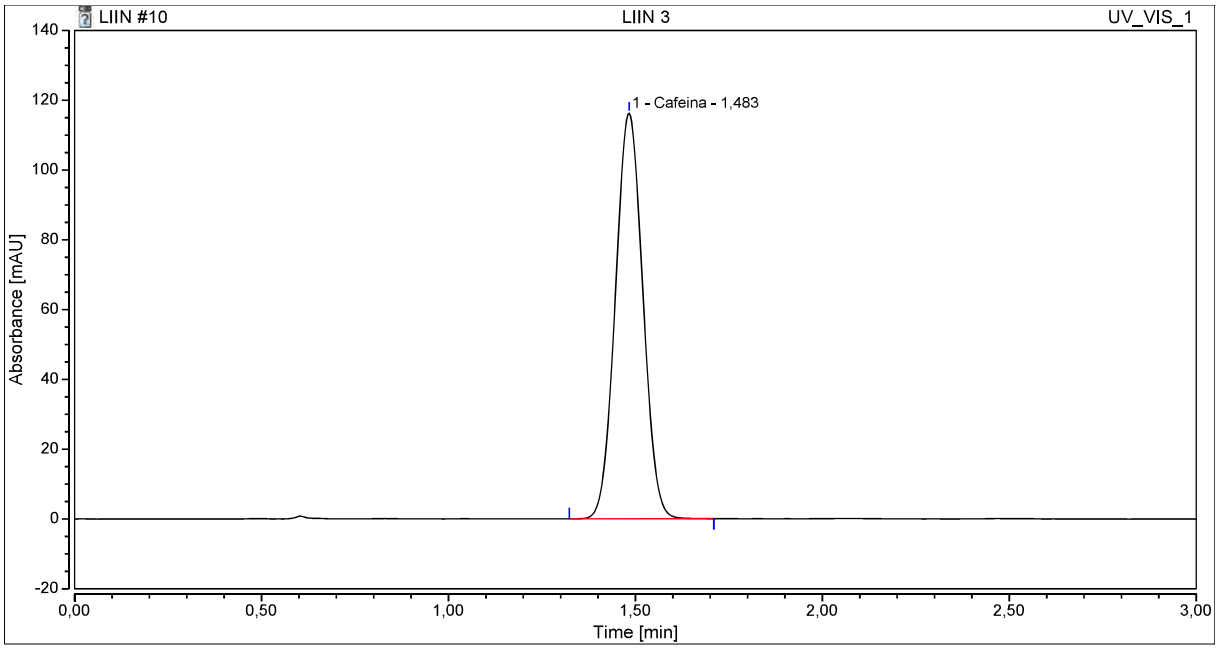
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Chromatogram and Results

Injection Details

Injection Name:	**LIIN 3**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 14:58**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,483	9,8657	116,276	100,00	100,00	n.a.
Total:			**9,866**	**116,276**	**100,000**	**100,000**	

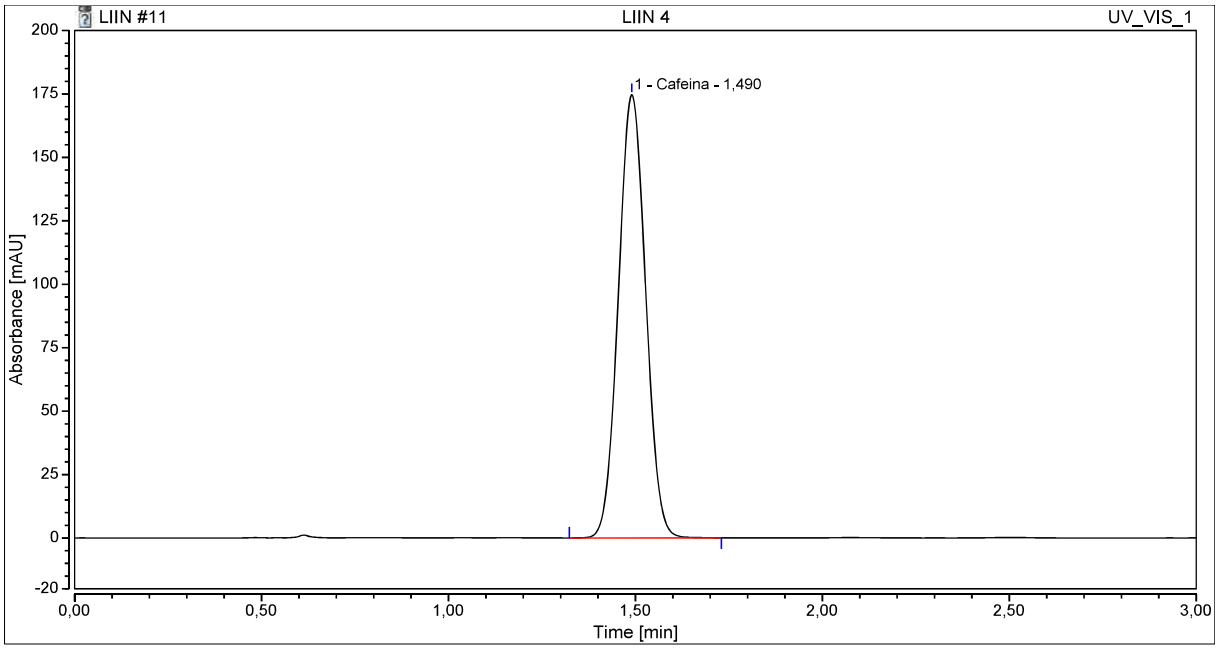
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Chromatogram and Results

Injection Details

Injection Name:	**LIIN 4**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**15,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 15:02**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,490	14,7503	174,722	100,00	100,00	n.a.
Total:			**14,750**	**174,722**	**100,000**	**100,000**	

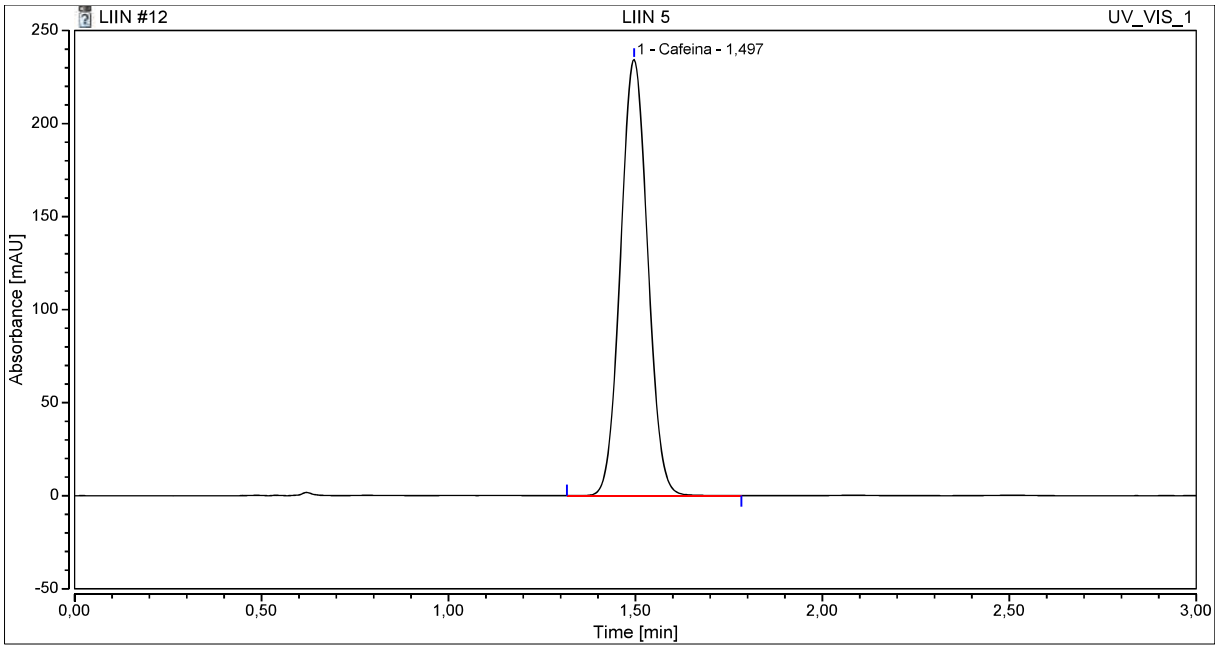
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Chromatogram and Results

Injection Details

Injection Name:	**LIIN 5**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**20,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/25 15:06**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,497	19,7115	234,405	100,00	100,00	n.a.
Total:			**19,711**	**234,405**	**100,000**	**100,000**	

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