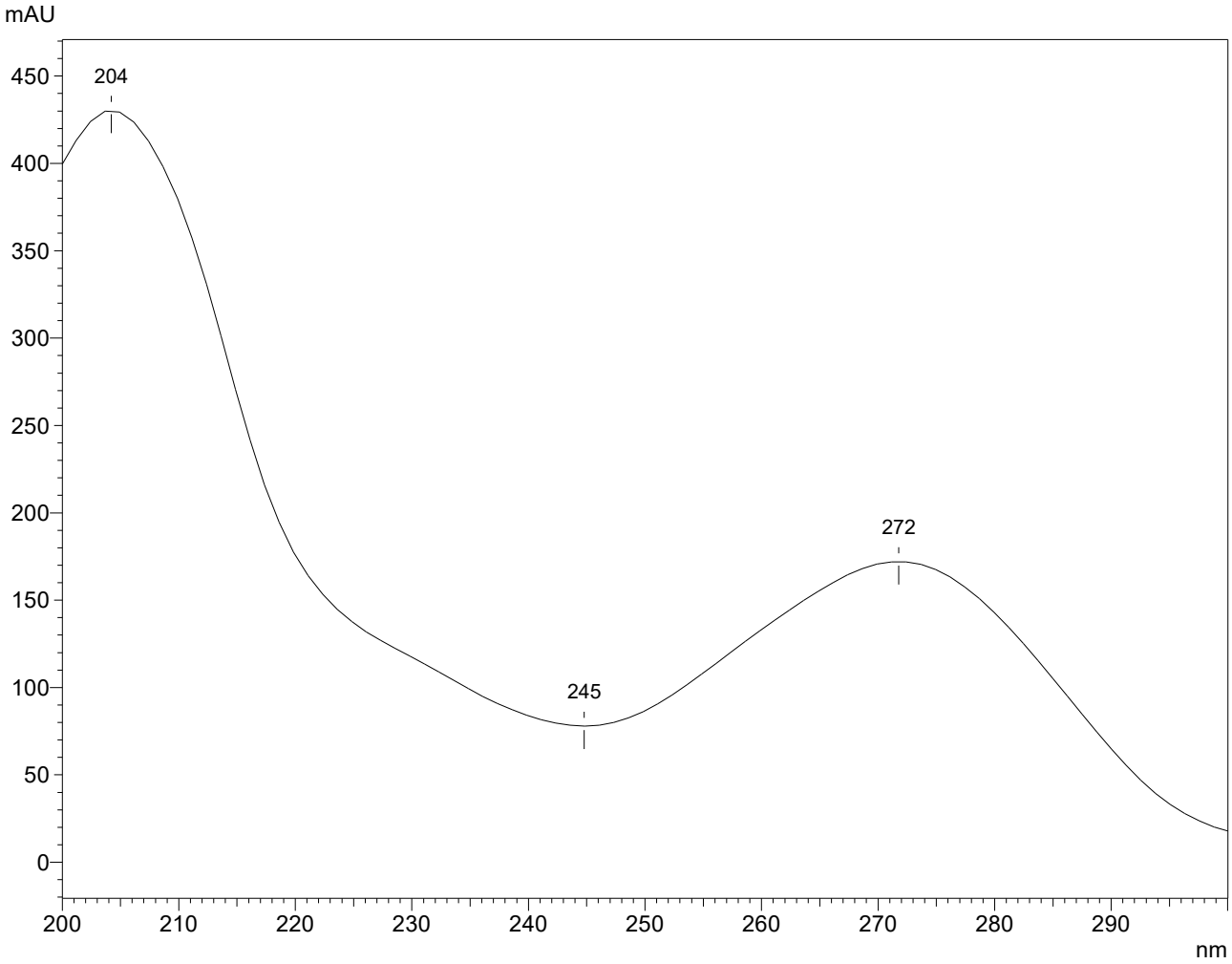
==== Shimadzu LabSolutions UV Spectrum ====

EDUV_25032025_001.lcd



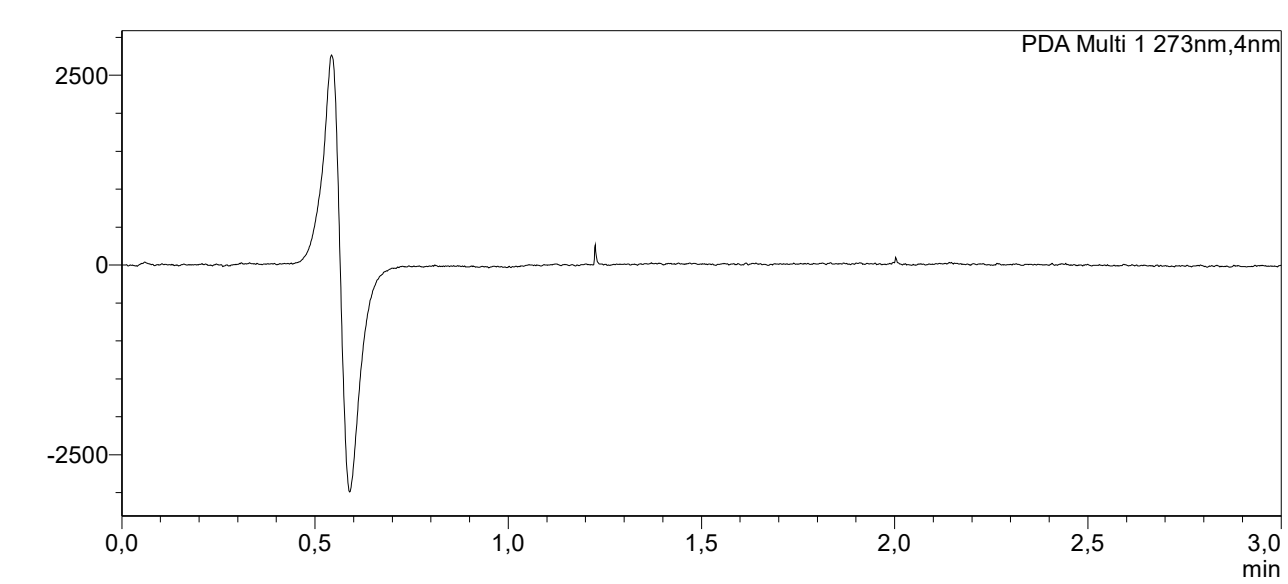
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: Branco 1		
Sample ID	: Branco 1		
Data Filename	: PCIN_25032025_001.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: PCIN.lcb		
Vial #	: 1-1	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 12:43:04	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 13:25:24	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height

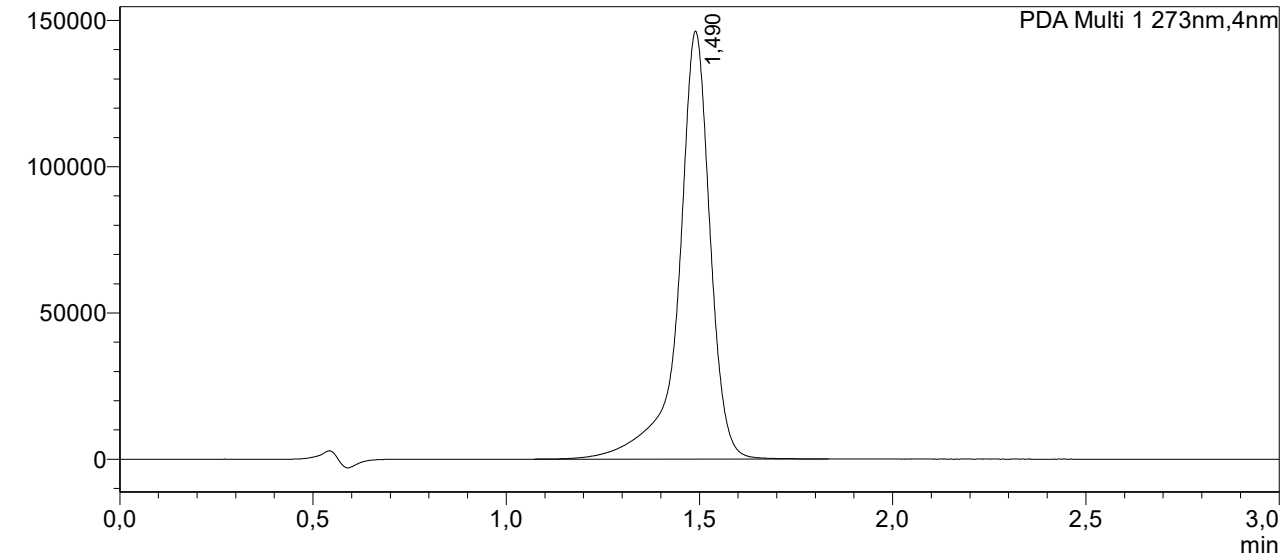
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: PCIN 1		
Sample ID	: PCIN 1		
Data Filename	: PCIN_25032025_002.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: PCIN.lcb		
Vial #	: 1-2	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 12:46:26	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 13:25:25	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,490	831400	145398
		831400	145398

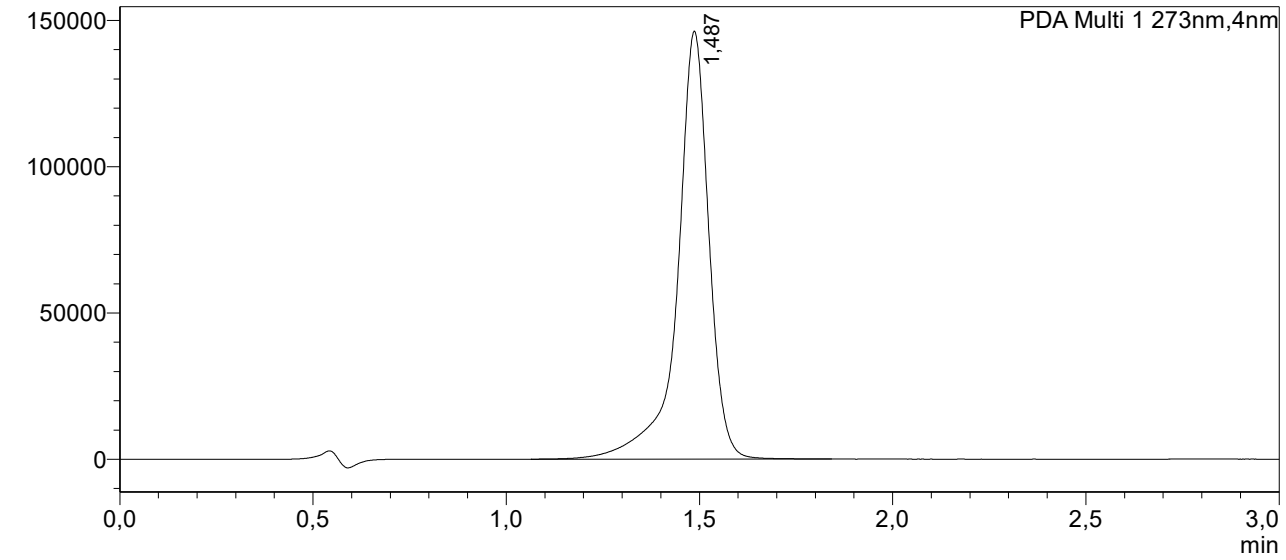
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: PCIN 2		
Sample ID	: PCIN 2		
Data Filename	: PCIN_25032025_003.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: PCIN.lcb		
Vial #	: 1-2	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 12:49:48	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 13:25:26	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,487	830315	145606
		830315	145606

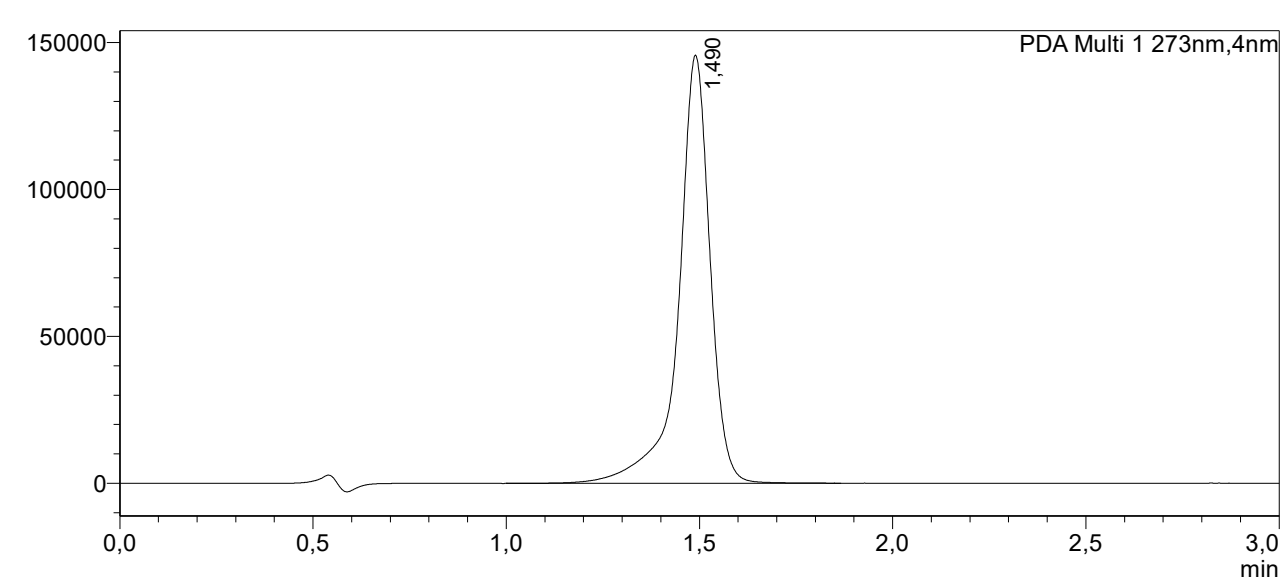
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: PCIN 3		
Sample ID	: PCIN 3		
Data Filename	: PCIN_25032025_004.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: PCIN.lcb		
Vial #	: 1-2	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 12:53:09	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 13:25:27	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,490	828364	144786
		828364	144786

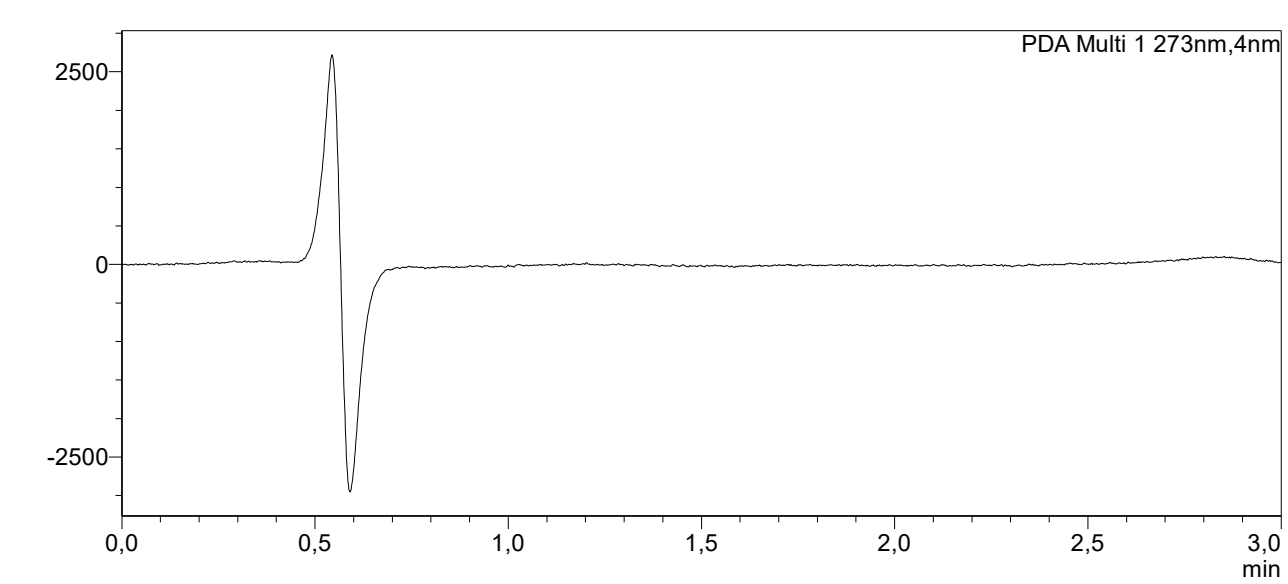
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: Branco 2		
Sample ID	: Branco 2		
Data Filename	: PCIN_25032025_005.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: PCIN.lcb		
Vial #	: 1-1	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 12:56:31	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 13:25:28	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height

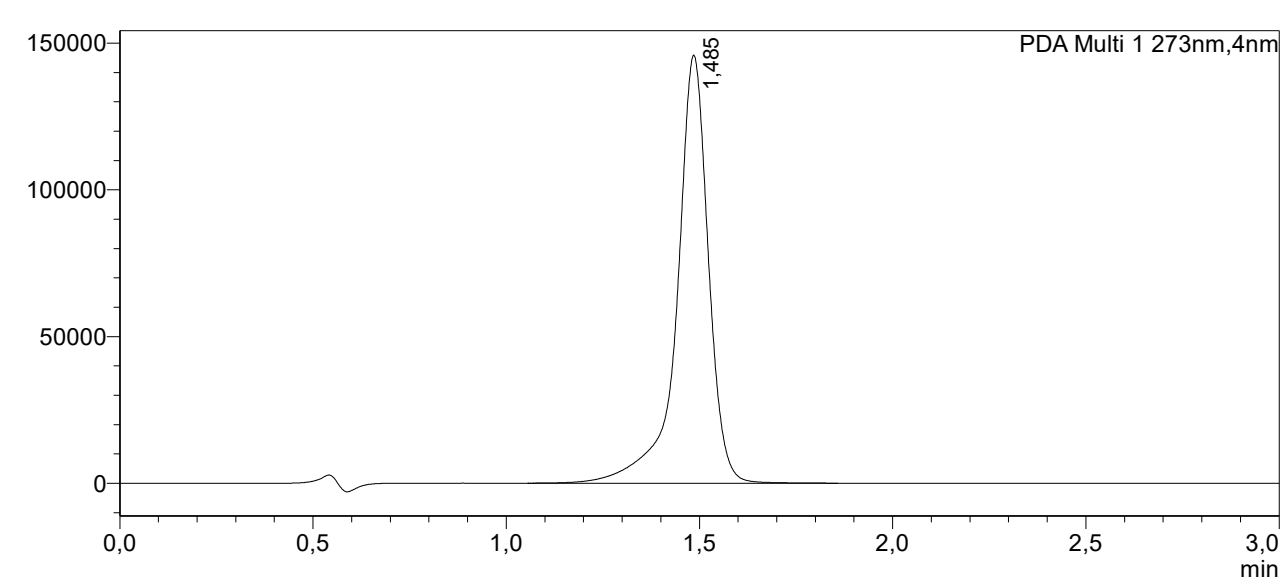
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: PCIN 4		
Sample ID	: PCIN 4		
Data Filename	: PCIN_25032025_006.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: PCIN.lcb		
Vial #	: 1-2	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 12:59:53	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 13:25:29	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,485	831250	145518
		831250	145518

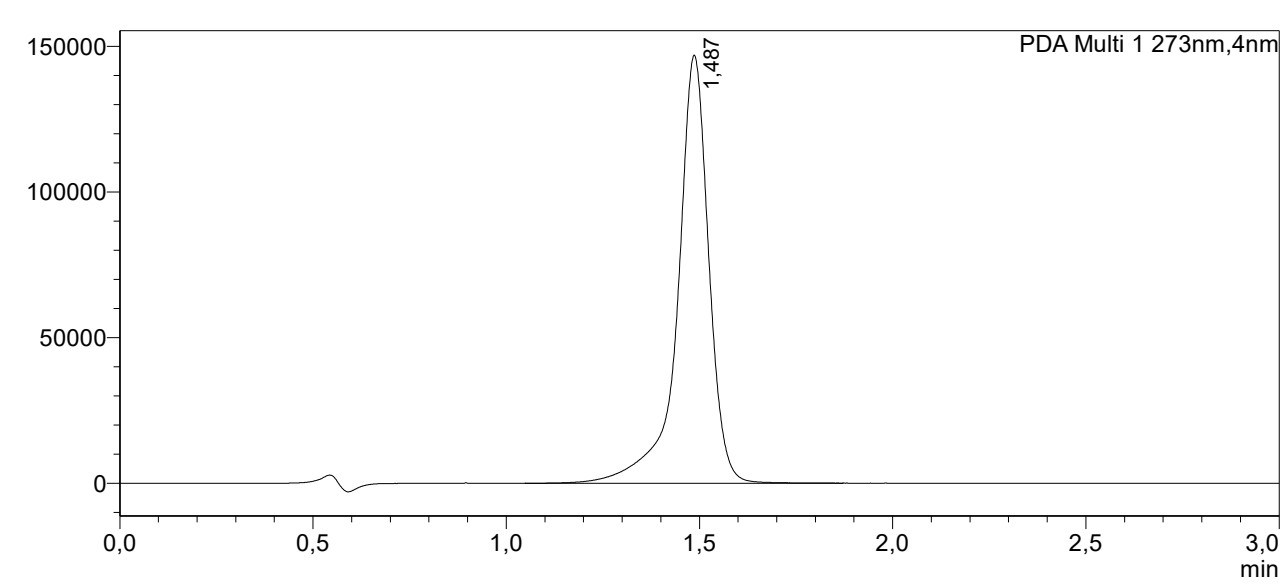
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: PCIN 5		
Sample ID	: PCIN 5		
Data Filename	: PCIN_25032025_007.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: PCIN.lcb		
Vial #	: 1-2	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 13:03:15	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 13:25:30	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,487	831063	146394
		831063	146394

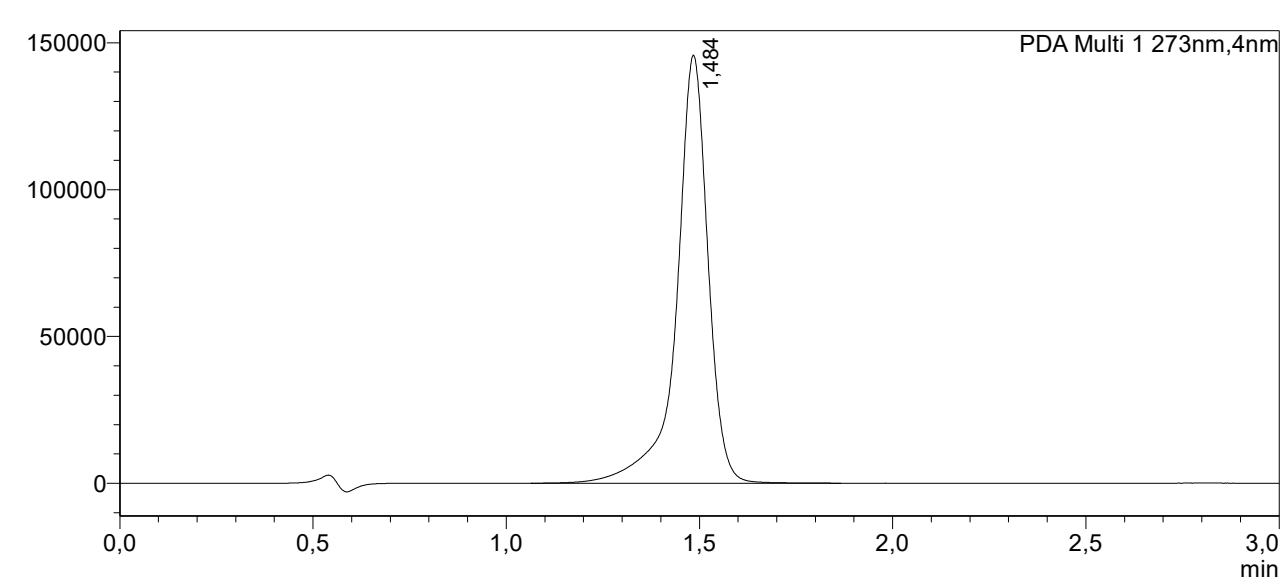
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: PCIN 6		
Sample ID	: PCIN 6		
Data Filename	: PCIN_25032025_008.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: PCIN.lcb		
Vial #	: 1-2	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 13:06:37	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 13:25:31	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,484	827067	145382
		827067	145382

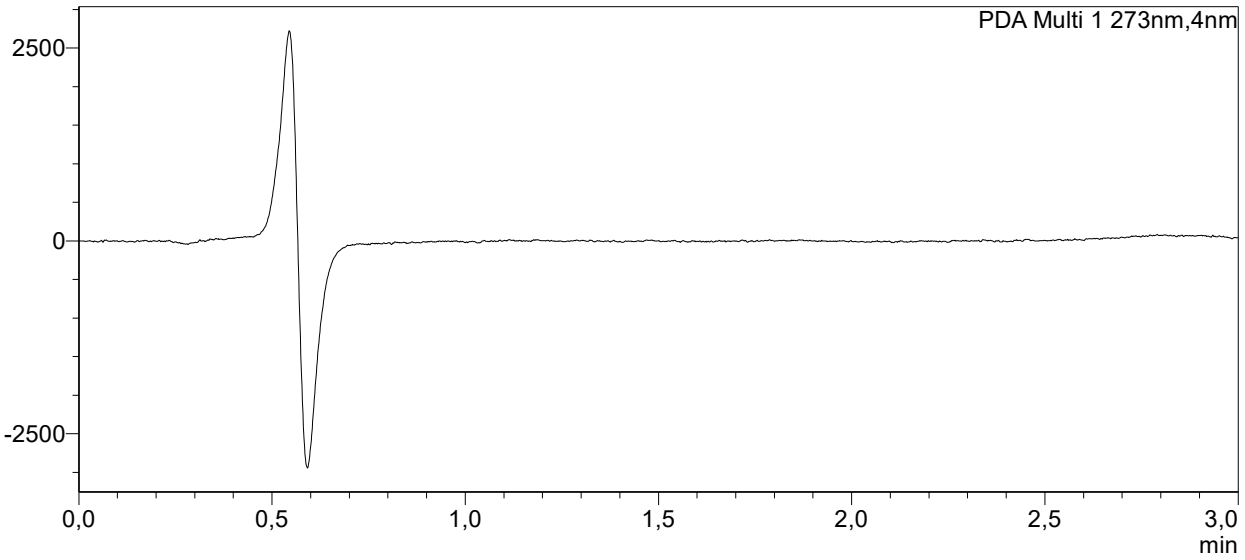
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: Branco 3		
Sample ID	: Branco 3		
Data Filename	: PCIN_25032025_009.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: PCIN.lcb		
Vial #	: 1-1	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 13:09:59	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 13:25:32	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height

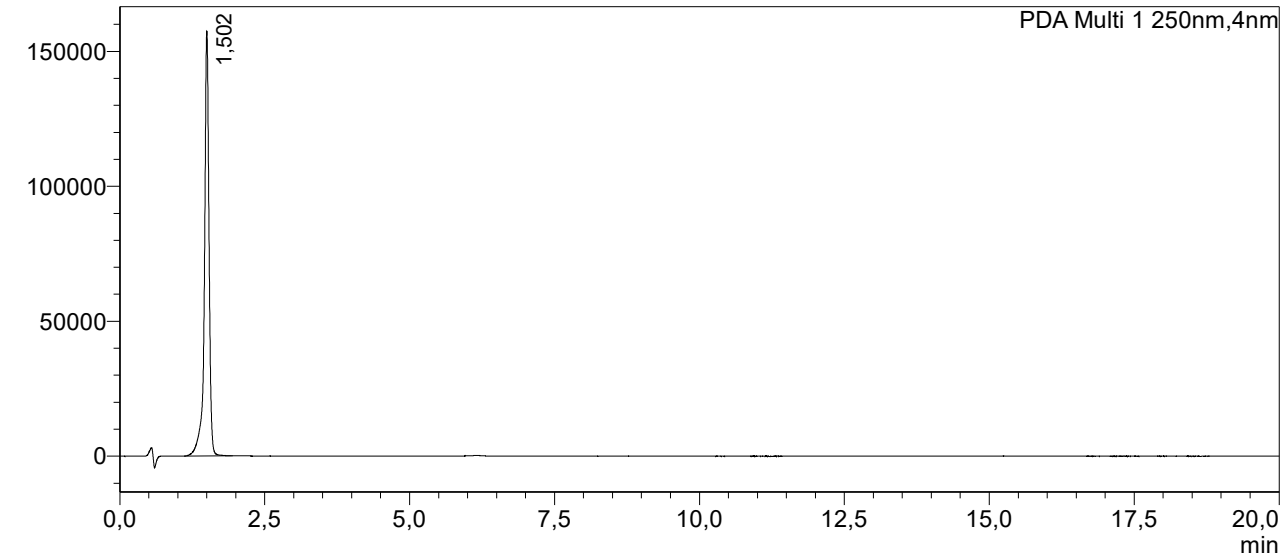
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: Sinal-Ruido		
Sample ID	: Sinal-Ruido		
Data Filename	: Sinal-Ruido_25032025_002.lcd		
Method Filename	: Sinal-Ruido.lcm		
Batch Filename	: Sinal-Ruido.lcb		
Vial #	: 1-1	Sample Type	: Unknown
Injection Volume	: 20 uL		
Date Acquired	: 25/03/2025 13:41:50	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 14:01:52	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

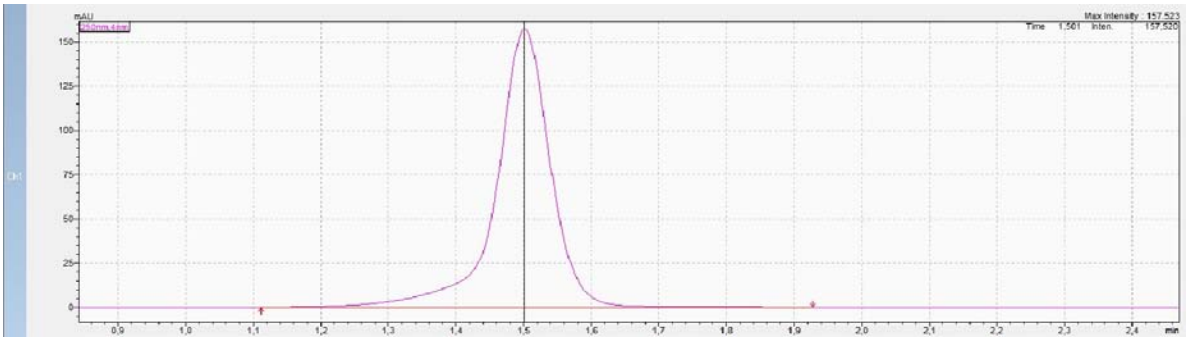
PDA Ch1 250nm

Name	Ret. Time	Area	Height
Cafeina	1,502	876597	156986
		876597	156986

Certificado Nº: 148/25 - RELB	Início da Qualificação: 25/03/2025	Página 1 de 3

Resultado obtido na altura do pico

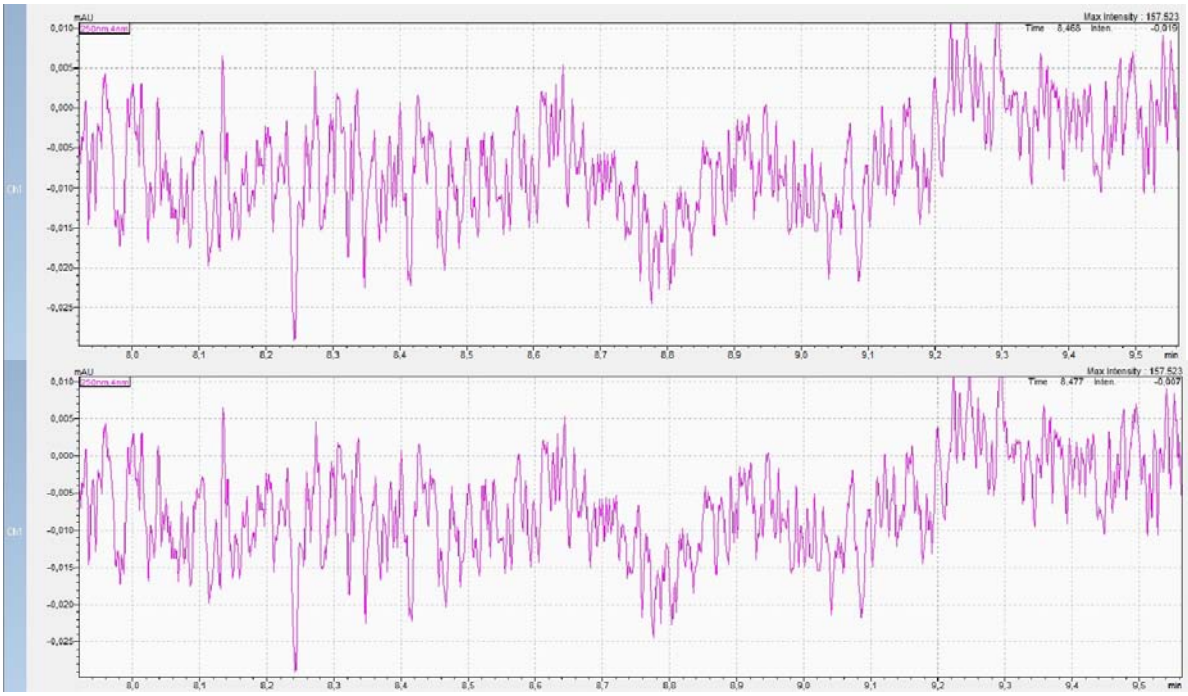
	ALTURA DO PICO (mAU)
Resultado:	156.986



Certificado Nº: 148/25 - RELB	Início da Qualificação: 25/03/2025	Página 2 de 3

Resultado obtido no teste de sinal/ruído

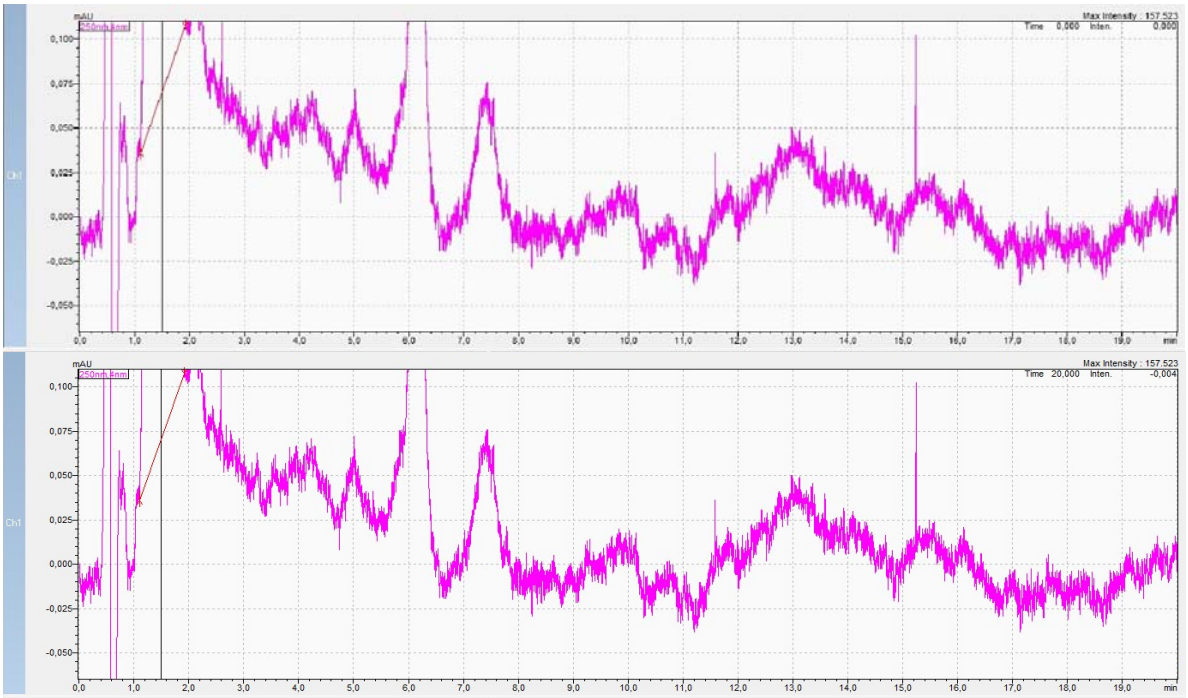
Resultado:	Ruído (mAU)
VALOR MÁXIMO:	0.019
VALOR MÍNIMO:	0.007
	Ruído
	0.012



Certificado Nº: 148/25 - RELB	Início da Qualificação: 25/03/2025	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:	0.004	0.0120
VALOR MÍNIMO:	0.000	
Resultado:	0.004	



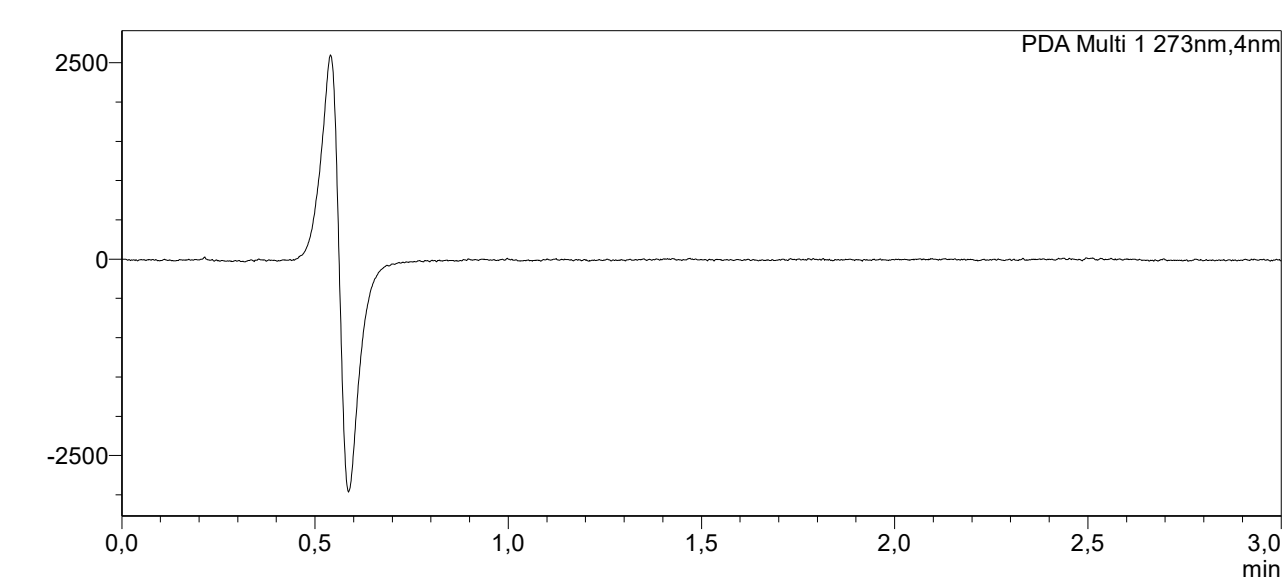
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: LDUV 1		
Sample ID	: LDUV 1		
Data Filename	: LDUV_25032025_001.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: LDUV.lcb		
Vial #	: 1-1	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 14:04:00	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 14:07:01	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height

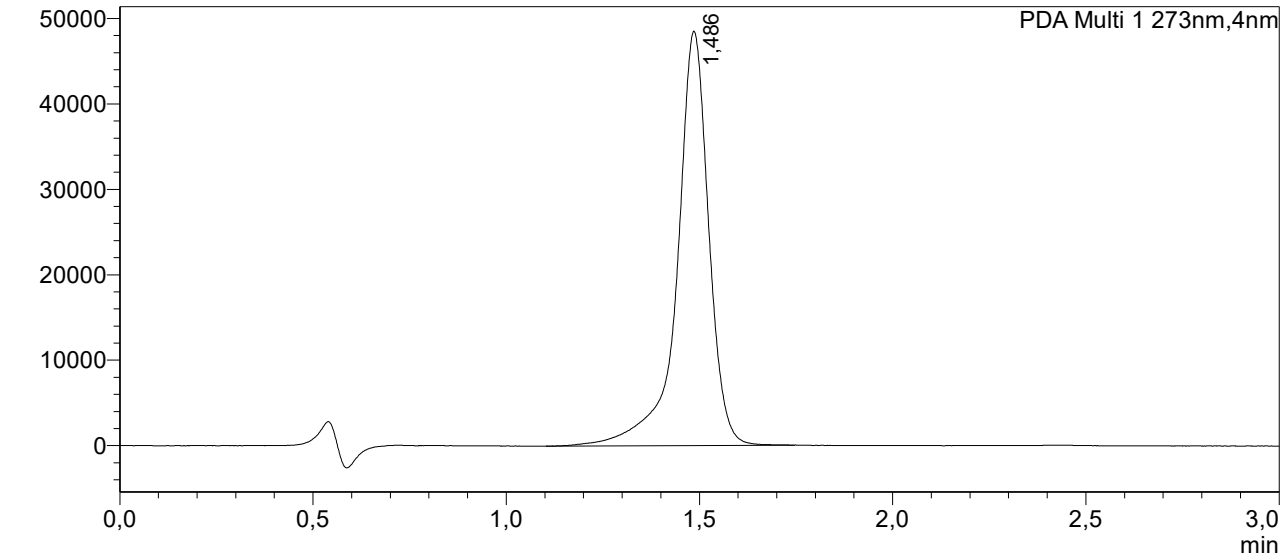
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: LDUV 2		
Sample ID	: LDUV 2		
Data Filename	: LDUV_25032025_002.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: LDUV.lcb		
Vial #	: 1-2	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 14:07:22	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 14:10:23	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,486	277127	48369
		277127	48369

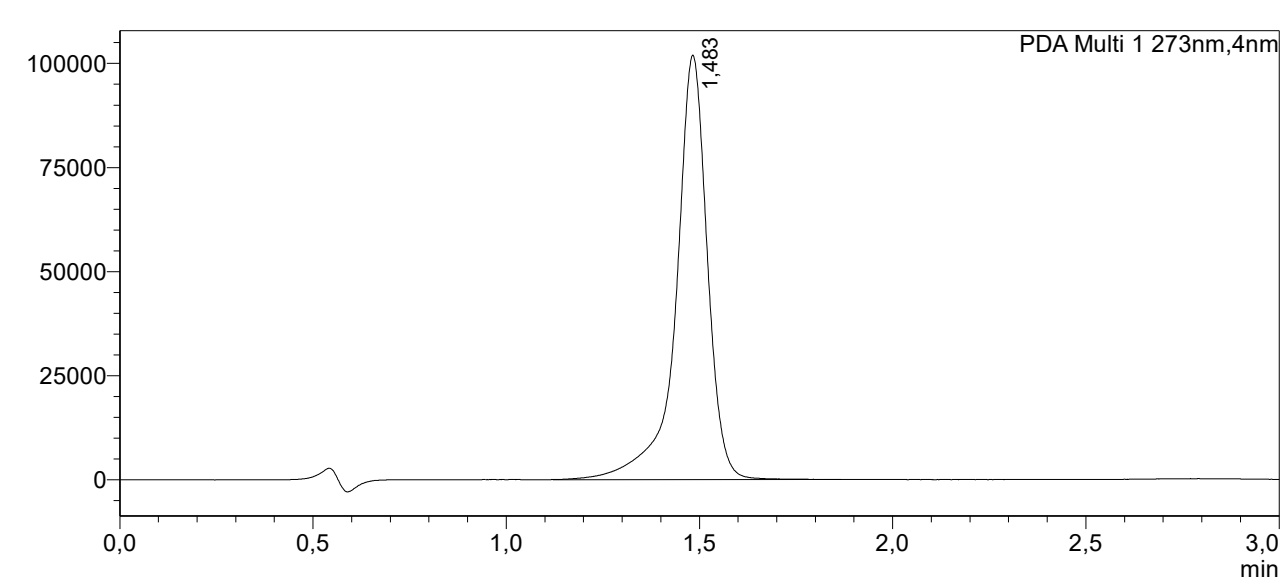
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: LDUV 3		
Sample ID	: LDUV 3		
Data Filename	: LDUV_25032025_003.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: LDUV.lcb		
Vial #	: 1-3	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 14:10:43	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 14:13:45	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,483	577368	101514
		577368	101514

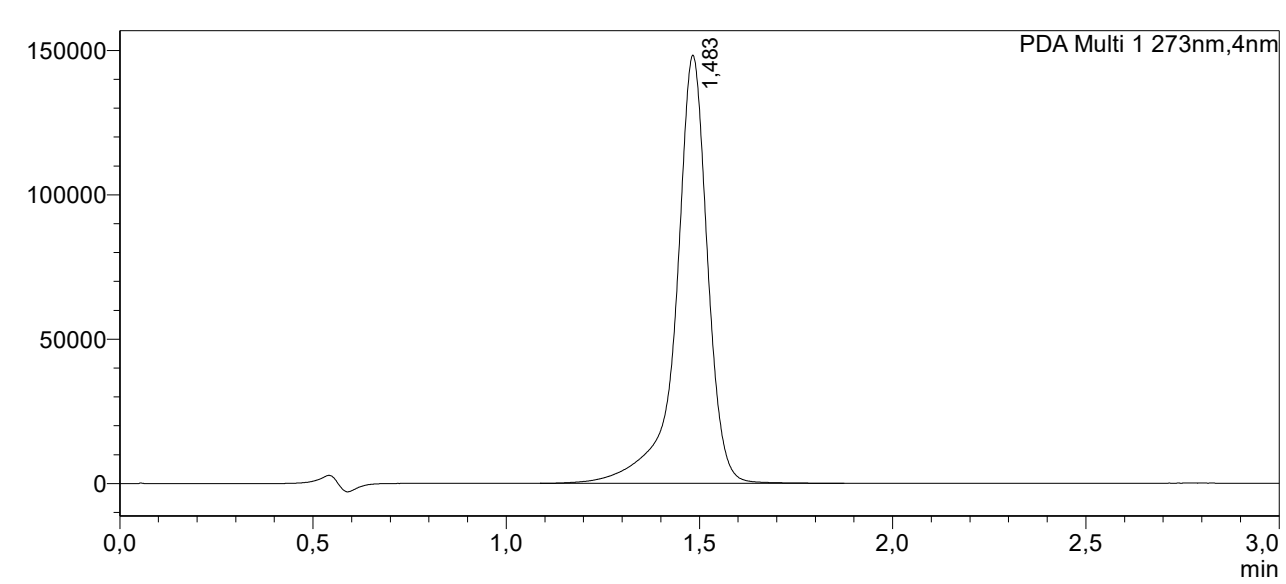
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: LDUV 4		
Sample ID	: LDUV 4		
Data Filename	: LDUV_25032025_004.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: LDUV.lcb		
Vial #	: 1-4	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 14:14:06	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 14:17:07	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,483	842302	147705
		842302	147705

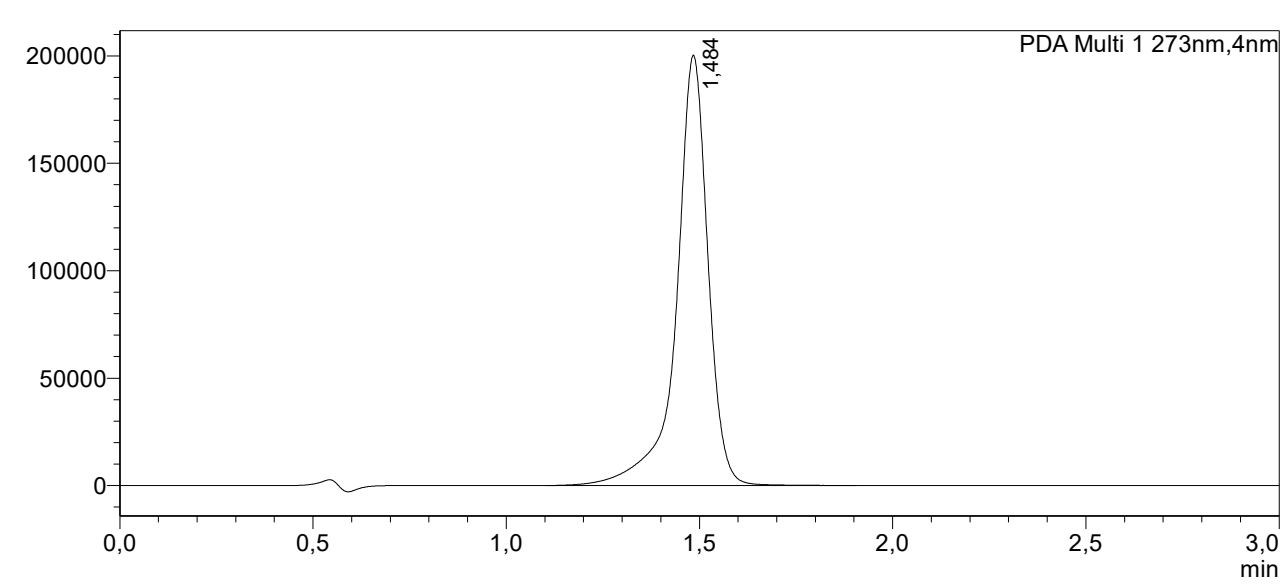
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: LDUV 5		
Sample ID	: LDUV 5		
Data Filename	: LDUV_25032025_005.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: LDUV.lcb		
Vial #	: 1-5	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 14:17:27	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 14:20:29	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,484	1138071	199810
		1138071	199810

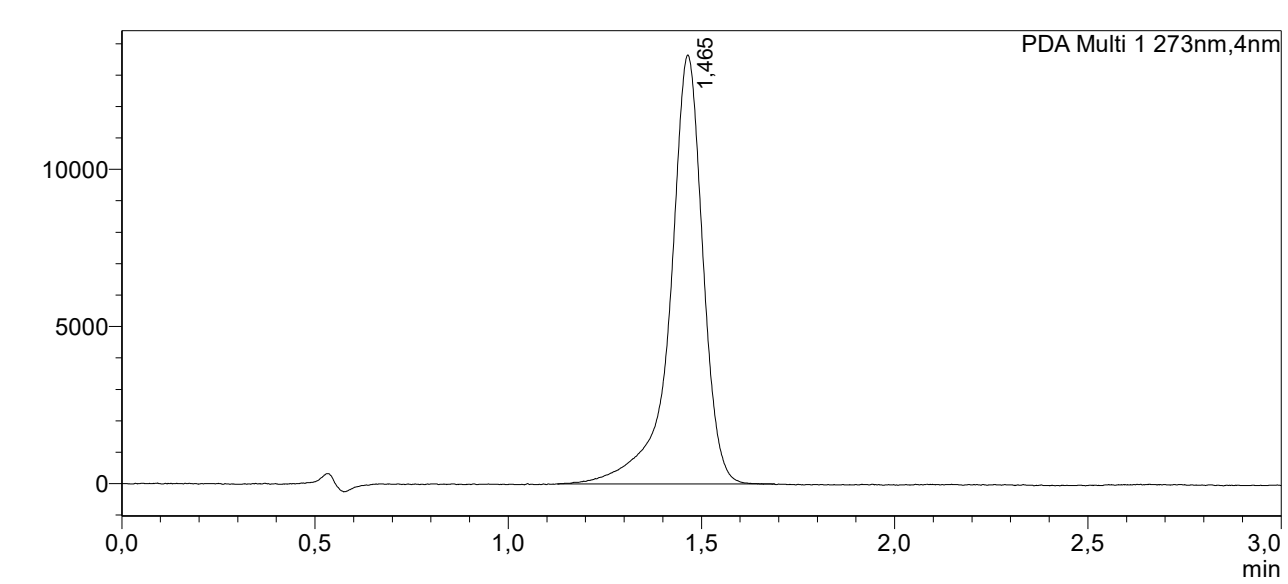
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: LIIN 1		
Sample ID	: LIIN 1		
Data Filename	: LIIN_25032025_001.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: LIIN.lcb		
Vial #	: 1-1	Sample Type	: Unknown
Injection Volume	: 1 uL		
Date Acquired	: 25/03/2025 14:24:18	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 14:52:42	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,465	80628	13531
		80628	13531

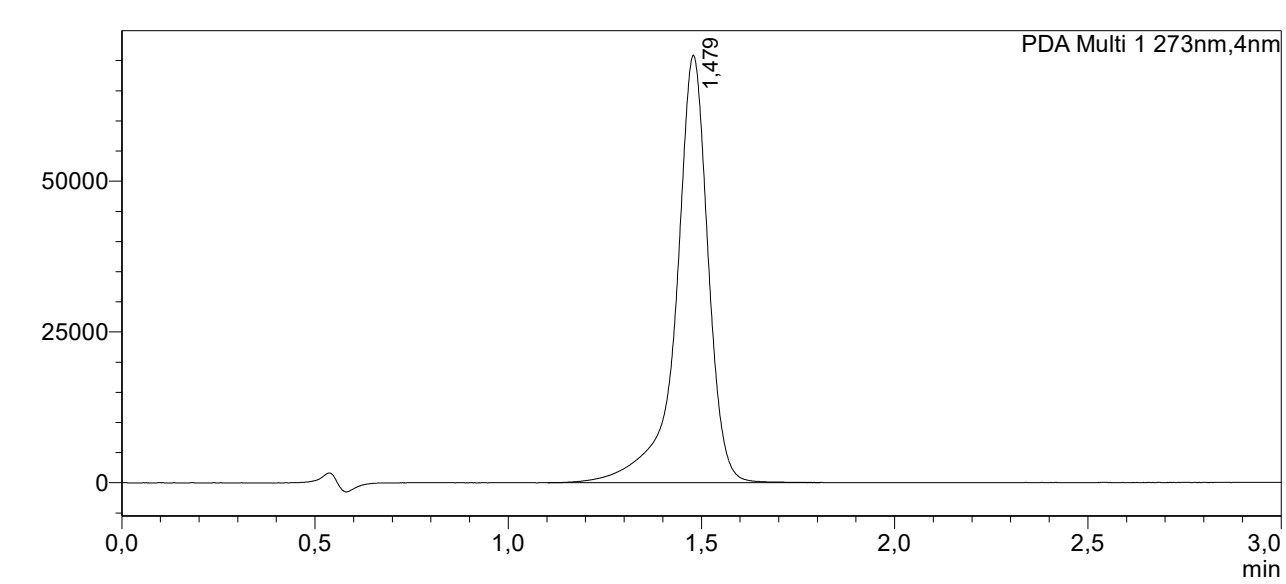
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: LIIN 2		
Sample ID	: LIIN 2		
Data Filename	: LIIN_25032025_002.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: LIIN.lcb		
Vial #	: 1-1	Sample Type	: Unknown
Injection Volume	: 5 uL		
Date Acquired	: 25/03/2025 14:27:40	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 14:52:43	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,479	410690	70524
		410690	70524

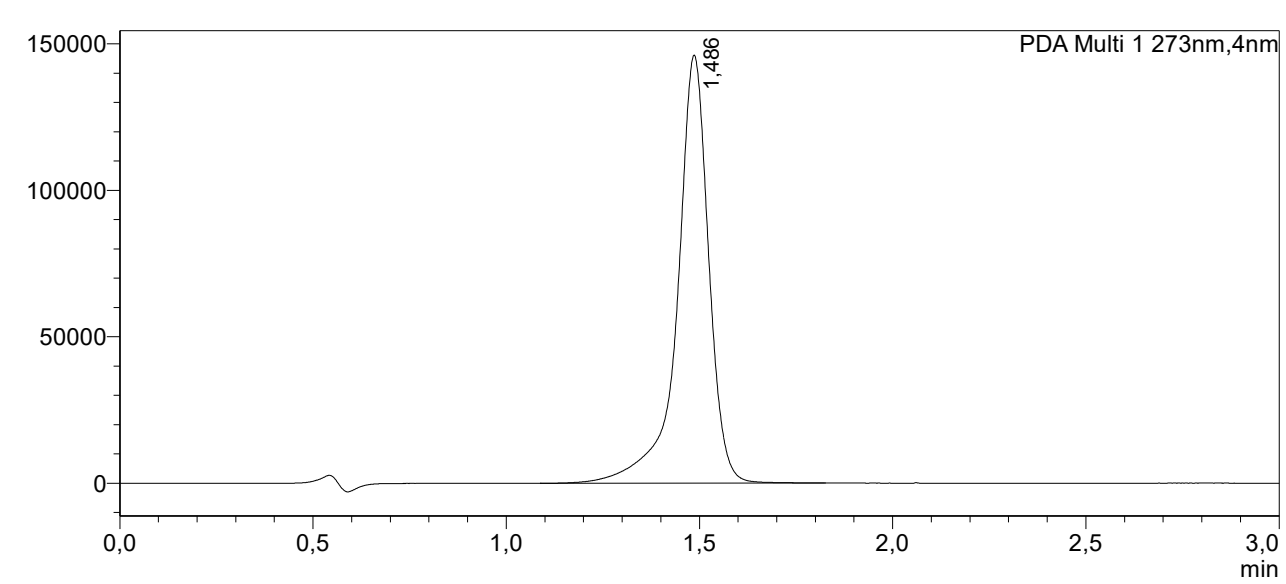
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: LIIN 3		
Sample ID	: LIIN 3		
Data Filename	: LIIN_25032025_003.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: LIIN.lcb		
Vial #	: 1-1	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 25/03/2025 14:31:02	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 14:52:45	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,486	830105	145607
		830105	145607

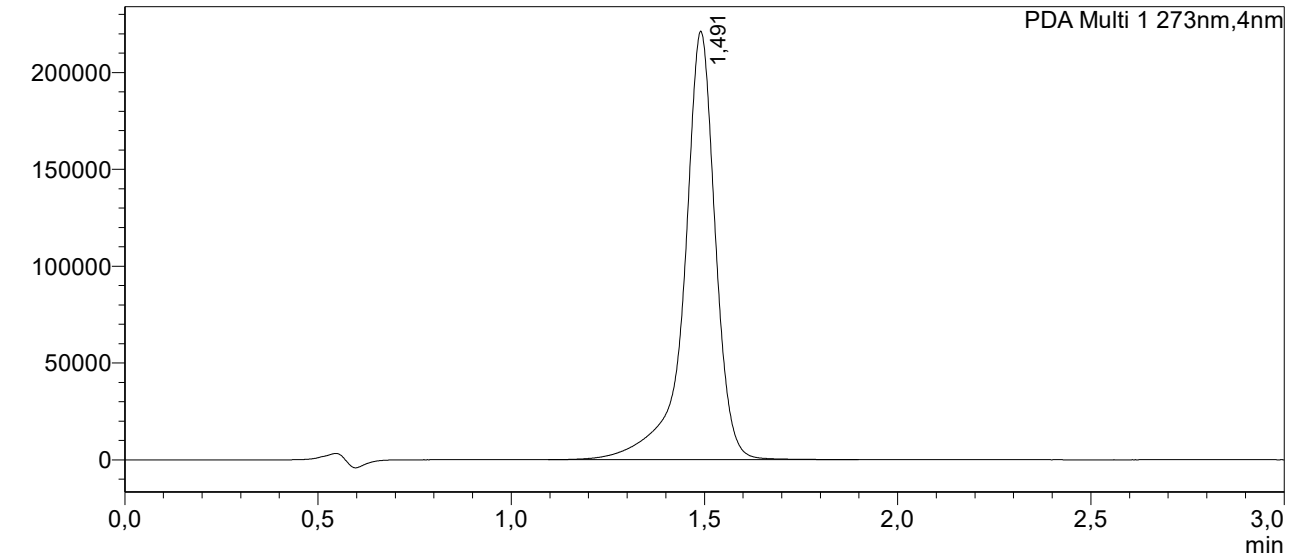
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: LIIN 4		
Sample ID	: LIIN 4		
Data Filename	: LIIN_25032025_004.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: LIIN.lcb		
Vial #	: 1-1	Sample Type	: Unknown
Injection Volume	: 15 uL		
Date Acquired	: 25/03/2025 14:34:23	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 14:52:46	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,491	1243704	220203
		1243704	220203

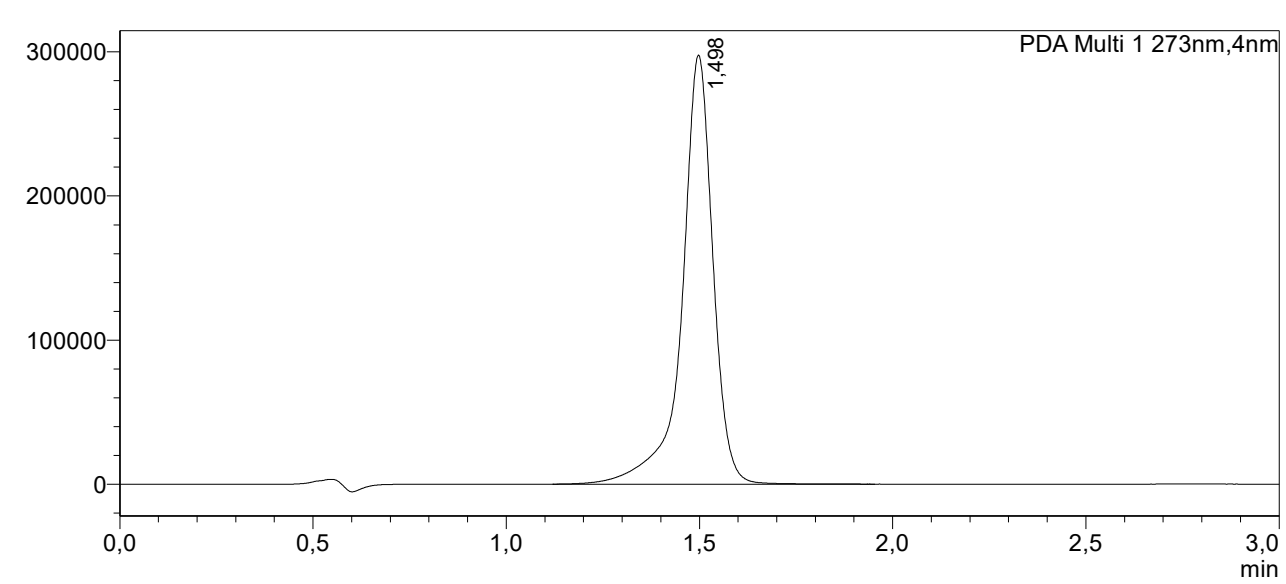
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: LIIN 5		
Sample ID	: LIIN 5		
Data Filename	: LIIN_25032025_005.lcd		
Method Filename	: Qualificação.lcm		
Batch Filename	: LIIN.lcb		
Vial #	: 1-1	Sample Type	: Unknown
Injection Volume	: 20 uL		
Date Acquired	: 25/03/2025 14:37:48	Acquired by	: Rhana Oliveira
Date Processed	: 25/03/2025 14:52:47	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
Cafeina	1,498	1657729	295426
		1657729	295426

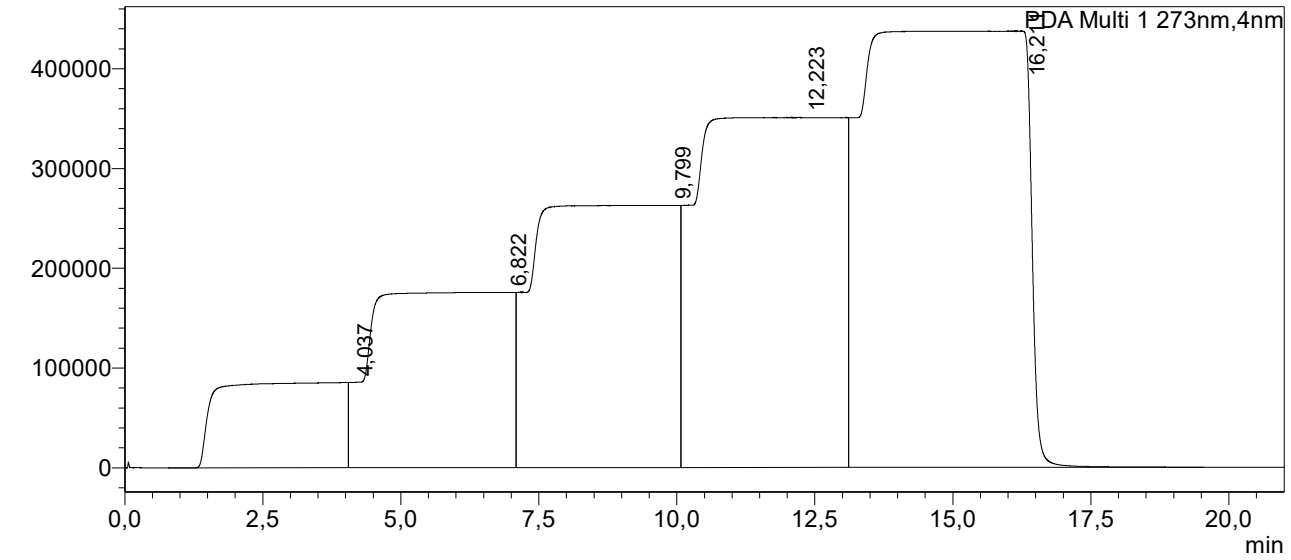
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: Grad AB		
Sample ID	: Grad AB		
Data Filename	: Grad AB_26032025_001.lcd		
Method Filename	: Grad AB.lcm		
Batch Filename	: Grad AB.lcb		
Vial #	: 1-1	Sample Type	: Unknown
Injection Volume	: 0,1 uL		
Date Acquired	: 26/03/2025 08:56:22	Acquired by	: Rhana Oliveira
Date Processed	: 26/03/2025 09:33:50	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
20%	4,037	12954064	85520
40%	6,822	29784177	175649
60%	9,799	45137583	262823
80%	12,223	61953116	350749
100%	16,211	85944092	437271
		235773033	1312013

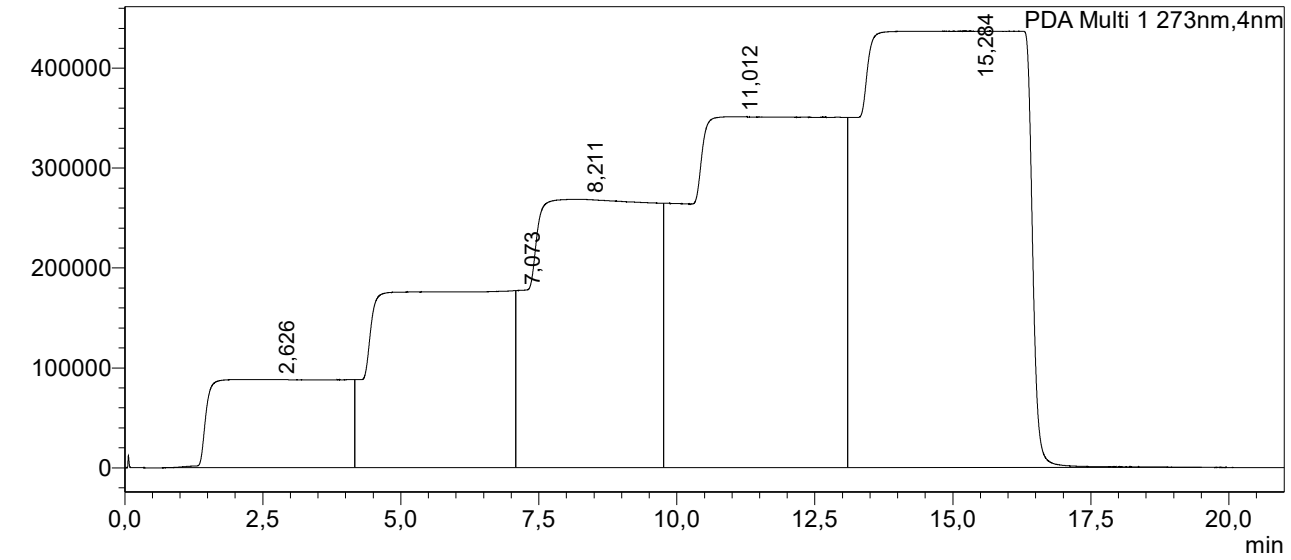
SHIMADZU LabSolutions

Analysis Report

<Sample Information>

Sample Name	: Grad CD		
Sample ID	: Grad CD		
Data Filename	: Grad CD_26032025_001.lcd		
Method Filename	: Grad CD.lcm		
Batch Filename	: Grad CD.lcb		
Vial #	: 1-1	Sample Type	: Unknown
Injection Volume	: 0,1 uL		
Date Acquired	: 26/03/2025 09:21:40	Acquired by	: Rhana Oliveira
Date Processed	: 26/03/2025 09:57:43	Processed by	: Rhana Oliveira

<Chromatogram>



<Peak Table>

PDA Ch1 273nm

Name	Ret. Time	Area	Height
20%	2,626	14341097	88301
40%	7,073	29251041	177222
60%	8,211	40919618	268598
80%	11,012	66626939	351178
100%	15,284	86352950	436822
		237491645	1322120