

Assay Method Validation

Product name :	Ramithiazide Tablets
Lable claim :	1. mipril 10 mg & Hydrochlorothiazide 25 mg
B. No. :	GP170403
Test :	Solution Stability
Average wt (mg) :	196.2

Analysis Date: 8-Jun-17

Name of standard	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	99.8	25.9	25 mL; 2 mL ->100 mL	20.7
Hydrochlorothiazide	99.9	25.0	25 mL; 5 mL ->100 mL	50.0

Injection No.	Hydrochlorothiazide		Ramipril	
	Retention Time	Area of Standard	Retention Time	Area of Standard
1	2.10	27140.044	3.65	6928.843
2	2.10	27182.012	3.65	6943.845
3	2.10	27163.638	3.65	6935.208
4	2.10	27160.989	3.65	6940.622
5	2.10	27129.962	3.65	6923.226
6	2.10	27176.337	3.65	6945.313
Average	2.10	27158.830	3.65	6936.176
SD	0.00	20.29	0.00	8.77
%RSD	0.00	0.07	0.00	0.13

System suitability results		
% RSD of Ramipril	0.13	NMT 2.0%
% RSD of HCTZ	0.07	NMT 2.0%
Theoretical plates of Ramipril	10410	NLT 2000
Theoretical plates of HCTZ	10705	NLT 2000
Tailing factor of Ramipril	1.00	NMT 2.0
Tailing factor of of HCTZ	1.04	NMT 2.0

Time (hr)	Area of Standard for HCTZ	Area of Standard for Ramipril	%RSD (NMT 2.0%) HCTZ	%RSD (NMT 2.0%) Ramipril
Initial	27140.044	6928.843	NA	NA
3 hrs	27272.086	6969.910	0.34	0.42
5 hrs	27477.861	7028.509	0.62	0.72
13 hrs	27578.480	7048.360	0.72	0.78
19 hrs	28019.983	7159.078	1.23	1.25
25 hrs	28227.280	7213.154	1.54	1.55
28 hrs	28438.752	7265.373	1.79	1.79

Test Solution :	Sample eq to 25	mg of Ramipril	250.0	mL with diluent
Sample Weight (mg) :	486.0			
Further	5.0	ml	25.0	mL with diluent

	Area of Sample		% Assay		%RSD (NMT 2.0%)	%RSD (NMT 2.0%)
	Hydrochlorothiazide	Ramipril	Hydrochlorothiazide	Ramipril	HCTZ	Ramipril
Initial	26811.141	6690.018	99.5	100.6	NA	NA
4 hrs	26774.333	6684.338	99.4	100.5	0.14	0.09
7hrs	26925.800	6714.042	99.9	101.0	0.43	0.36
10 hrs	26949.482	6741.319	100.0	101.4	0.51	0.77
16 hrs	27177.318	6797.521	100.9	102.2	1.36	1.62
22 hrs	27285.001	6819.047	101.3	102.6	1.76	1.94
25 hrs	27424.241	6854.230	101.8	103.1	2.28	2.47

Done by: *HL*
Date: *29-Jun-17*

Checked by: *[Signature]*
Date: *29-Jun-17*

Assay Method Validation

Product name :	Ramithiazide Tablets
Lable claim :	Ramipril 10 mg & Hydrochlorothiazide 25 mg
B. No. :	GP170403
Test :	Robustness (Column flow 0.9 ml/min)
Average wt (mg) :	196.150

Analysis Date: 8-Jun-17

Name of standard	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	99.8	25.9	25 mL; 2 mL ->100 mL	20.7
Hydrochlorothiazide	99.9	25.0	25 mL; 5 mL ->100 mL	50.0

Injection No.	Hydrochlorothiazide		Ramipril	
	Retention Time	Area of Standard	Retention Time	Area of Standard
1	2.33	30229.192	4.06	7744.230
2	2.33	30311.813	4.06	7740.207
3	2.33	30263.539	4.06	7765.571
4	2.33	30271.327	4.06	7756.628
5	2.33	30244.072	4.06	7738.998
6	2.33	30304.484	4.06	7767.194
Average	2.33	30270.738	4.06	7752.138
SD	0.000	32.60	0.000	12.69
%RSD	0.00	0.11	0.00	0.16

System suitability results		
% RSD of HCTZ	0.11	NMT 2.0%
% RSD of Ramipril	0.16	NMT 2.0%
Theoretical of HCTZ	11488	NLT 2000
Theoretical of Ramipril	11245	NLT 2000
Tailing of HCTZ	1.02	NMT 2.0
Tailing of Ramipril	0.96	NMT 2.0

Test Solution :	Sample eq to 25	mg of Ramipril	250.0	mL with diluent
Further	5	ml of solution	25.0	mL with diluent

Sample No.	Sample Weight (mg)	Area of Sample		% Assay	
		Hydrochlorothiazide	Ramipril	Hydrochlorothiazide	Ramipril
1	486.7	29781.177	7459.448	99.0	100.2
2	484.2	30296.781	7524.954	101.3	101.6
			Average	100.1	100.9
			SD	1.58	0.99
			%RSD	1.6	1.0

Done by: 
Date: 29-Jun-17

Checked by: 
Date: 29-Jun-17

Assay Method Validation

Product name :	Ramithiazide Tablets
Lable claim :	Ramipril 10 mg & Hydrochlorothiazide 25 mg
B. No. :	GP170403
Test :	Robustness (Column flow 1.1 ml/min)
Average wt (mg) :	197.399

Analysis Date: 8-Jun-17

Name of standard	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	99.8	25.9	25 mL; 2 mL -> 100 mL	20.7
Hydrochlorothiazide	99.9	25.0	25 mL; 5 mL -> 100 mL	50.0

Injection No.	Hydrochlorothiazide		Ramipril	
	Retention Time	Area of Standard	Retention Time	Area of Standard
1	1.91	24881.575	3.33	6364.499
2	1.91	24827.325	3.33	6338.488
3	1.91	24880.404	3.33	6364.102
4	1.91	24861.355	3.33	6351.861
5	1.91	24883.074	3.33	6361.900
6	1.91	24944.586	3.33	6379.735
Average	1.91	24879.720	3.33	6360.098
SD	0.000	38.22	0.001	13.85
%RSD	0.00	0.15	0.04	0.22

System suitability results		
% RSD of HCTZ	0.15	NMT 2.0%
% RSD of Ramipril	0.22	NMT 2.0%
Theoretical of HCTZ	10341	NLT 2000
Theoretical of Ramipril	10098	NLT 2000
Tailing of HCTZ	1.03	NMT 2.0
Tailing of Ramipril	0.95	NMT 2.0

Test Solution :	Sample eq to 25	mg of Ramipril	250.0	mL with diluent
	Further	5	25.0	mL with diluent

Sample No.	Sample Weight (mg)	Area of Sample		% Assay	
		Hydrochlorothiazide	Ramipril	Hydrochlorothiazide	Ramipril
1	486.7	24522.668	6106.071	99.8	100.6
2	484.2	24433.572	6094.270	100.0	101.0
			Average	99.9	100.8
			SD	0.11	0.23
			%RSD	0.1	0.2

Done by: *HL*

Date: 29-Jun-17

Checked by: *Rajan*

Date: 29-Jun-17

Assay Method Validation

Product name :	Ramithiazide Tablets	Analysis Date: 8-Jun-17
Lable claim :	Ramipril 10 mg & Hydrochlorothiazide 25 mg	
B. No. :	GP170403	
LNB No./Pg. No.:	416/79	
Test :	Precision	
Average wt (mg) :	196.150	

Name of standard	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	99.8	25.9	25 mL; 2 mL ~>100 mL	20.7
Hydrochlorothiazide	99.9	25.0	25 mL; 5 mL ~>100 mL	50.0

Injection No.	Hydrochlorothiazide		Ramipril	
	Retention Time	Area of Standard	Retention Time	Area of Standard
1	2.10	27140.044	3.65	6928.843
2	2.10	27182.012	3.65	6943.844
3	2.10	27163.638	3.65	6935.208
4	2.10	27160.989	3.65	6940.622
5	2.10	27129.962	3.65	6923.226
6	2.10	27176.338	3.65	6945.313
Average	2.10	27158.830	3.65	6936.176
SD	0.000	20.29	0.000	8.77
%RSD	0.00	0.07	0.00	0.13

System suitability results		
% RSD of Area of Hydrochlorothiazide	0.07	NMT 2.0%
% RSD of Area of Ramipril	0.13	NMT 2.0%
Theoretical plates of Hydrochlorothiazide	10705	NLT 2000
Theoretical plates of Ramipril	10410	NLT 2000
Tailing factor of Hydrochlorothiazide	1.04	NMT 2.0
Theoretical plates of Ramipril	1.00	NMT 2.0

Test Solution :	Sample eq to 25	mg of Ramipril	250.0	mL with diluent
	Further	5	25.0	mL with diluent

Sample No.	Sample Weight (mg)	Area of Sample		% Assay	
		Hydrochlorothiazide	Ramipril	Hydrochlorothiazide	Ramipril
1	486.6	26811.141	6690.018	99.4	100.5
2	483.8	26836.422	6700.093	100.1	101.2
3	494.5	27483.766	6868.453	100.3	101.5
4	491.9	26804.727	6712.113	98.3	99.7
5	497.8	27713.304	6920.976	100.4	101.6
6	489.2	26963.565	6753.191	99.4	100.9
		Average	99.6		100.9
		SD	0.79		0.71
		%RSD	0.79		0.71

Done by: *Me*
Date: 24-Jun-17

Checked by: *Prat*
Date: 25-Jun-17

Assay Method Validation

Product name :	Ramithiazide Tablets
Lable claim :	Ramipril 5 mg & Hydrochlorothiazide 12.5 mg
B. No. :	GP170401
Test :	Precision
LNB No./Pg. No.:	416/79
Average wt (mg) :	199.83

Analysis Date:	8-Jun-17
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Name of standard	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	99.8	25.9	25 mL, 2 mL -> 100 mL	20.7
Hydrochlorothiazide	99.9	25.0	25 mL, 5 mL -> 100 mL	50.0

Injection No.	Hydrochlorothiazide		Ramipril	
	Retention Time	Area of Standard	Retention Time	Area of Standard
1	2.10	27140.044	3.65	6928.843
2	2.10	27182.012	3.65	6943.844
3	2.10	27163.638	3.65	6935.208
4	2.10	27160.989	3.65	6940.622
5	2.10	27129.962	3.65	6923.226
6	2.10	27176.337	3.65	6945.313
Average	2.10	27158.830	3.65	6936.176
SD	0.000	20.29	0.000	8.77
%RSD	0.00	0.07	0.00	0.13

System suitability results		
% RSD of Area of Hydrochlorothiazide	0.07	NMT 2.0%
% RSD of Area of Ramipril	0.13	NMT 2.0%
Theoretical plates of Hydrochlorothiazide	10705	NLT 2000
Theoretical plates of Ramipril	10410	NLT 2000
Tailing factor of Hydrochlorothiazide	1.04	NMT 2.0
Theoretical plates of Ramipril	1.00	NMT 2.0

Test Solution :	Sample eq to 25	mg of Ramipril	250.0	mL with diluent
	Further	5	25.0	mL with diluent

Sample No.	Sample Weight (mg)	Area of Sample		% Assay	
		Hydrochlorothiazide	Ramipril	Hydrochlorothiazide	Ramipril
1	975.1	26742.050	6512.104	100.8	99.5
2	975.0	26540.983	6430.609	100.0	98.2
3	974.5	26760.319	6552.363	100.9	100.1
4	974.2	26787.668	6502.765	101.1	99.4
5	975.1	26969.459	6559.458	101.7	100.2
6	974.3	26818.478	6507.422	101.2	99.5
		Mean		100.9	99.5
		SD		0.53	0.71
		%RSD		0.52	0.71

Done by: 
Date: 29-Jun-17

Checked by: 
Date: 29-Jun-17

Assay Method Validation

Product name :	Ramithiazide Tablets
Lable claim :	Ramipril 10 mg & Hydrochlorothiazide 12.5 mg
B. No. :	GP170402
Test :	Precision
LNB No./Pg. No.:	416/79
Average wt (mg) :	198.360

Analysis Date: 8-Jun-17

Name of standard	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	99.8	25.9	25 mL; 2 mL -> 100 mL	20.7
Hydrochlorothiazide	99.9	25.0	25 mL; 5 mL -> 100 mL	25.0

Injection No.	Hydrochlorothiazide		Ramipril	
	Retention Time	Area of Standard	Retention Time	Area of Standard
1	2.10	14123.816	3.65	7005.022
2	2.10	14086.982	3.65	6985.895
3	2.10	14137.983	3.65	7006.536
4	2.10	14224.821	3.65	7039.733
5	2.10	14154.966	3.66	7024.769
6	2.10	14132.359	3.66	6996.007
Average	2.10	14143.488	3.65	7009.660
SD	0.000	45.78	0.005	19.57
%RSD	0.00	0.32	0.14	0.28

System suitability results		
% RSD of Area of Hydrochlorothiazide	0.28	NMT 2.0%
% RSD of Area of Ramipril	0.32	NMT 2.0%
Theoretical plates of Hydrochlorothiazide	10768	NLT 2000
Theoretical plates of Ramipril	10338	NLT 2000
Tailing factor of Hydrochlorothiazide	1.06	NMT 2.0
Theoretical plates of Ramipril	0.98	NMT 2.0

Test Solution :	Sample eq to 25	mg of Ramipril	250.0	mL with diluent
	Further	5	25.0	mL with diluent

Sample No.	Sample Weight (mg)	Area of Sample		% Assay	
		Hydrochlorothiazide	Ramipril	Hydrochlorothiazide	Ramipril
1	498.5	13979.161	6902.898	98.2	101.3
2	525.1	14777.095	7296.229	98.6	101.6
3	508.5	14296.125	7057.916	98.5	101.5
4	502.1	14110.117	6959.222	98.4	101.4
5	501.3	14161.119	6957.830	98.9	101.5
6	496.7	13971.434	6884.103	98.5	101.4
		Average		98.5	101.5
		SD		0.24	0.13
		%RSD		0.24	0.13

Done by:
Date:

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29-Jun-17

Checked by:
Date:

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29-Jun-17

Assay Method Validation

Product name :	Ramithiazide Tablets
Lable claim :	Ramipril 10 mg & Hydrochlorothiazide 25 mg
B. No. :	GPI70403
LNB No./Pg. No.:	416/79
Test :	Precision
Average wt (mg) :	196.150

Analysis Date:	8-Jun-17
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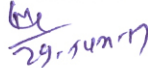
Name of standard	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	99.8	25.9	25 mL, 2 mL -> 100 mL	20.7
Hydrochlorothiazide	99.9	25.0	25 mL, 5 mL -> 100 mL	50.0

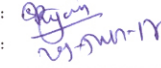
Injection No.	Hydrochlorothiazide		Ramipril	
	Retention Time	Area of Standard	Retention Time	Area of Standard
1	2.10	27140.044	3.65	6928.843
2	2.10	27182.012	3.65	6943.844
3	2.10	27163.638	3.65	6935.208
4	2.10	27160.989	3.65	6940.622
5	2.10	27129.962	3.65	6923.226
6	2.10	27176.338	3.65	6945.313
Average	2.10	27158.830	3.65	6936.176
SD	0.000	20.29	0.000	8.77
%RSD	0.00	0.07	0.00	0.13

System suitability results		
% RSD of Area of Hydrochlorothiazide	0.13	NMT 2.0%
% RSD of Area of Ramipril	0.07	NMT 2.0%
Theoretical plates of Hydrochlorothiazide	10410	NLT 2000
Theoretical plates of Ramipril	10705	NLT 2000
Tailing factor of Hydrochlorothiazide	1.00	NMT 2.0
Theoretical plates of Ramipril	1.04	NMT 2.0

Test Solution :	Sample eq to 25	mg of Ramipril	250.0	mL with diluent
	Further	5	25.0	mL with diluent

Sample No.	Sample Weight (mg)	Area of Sample		% Assay	
		Hydrochlorothiazide	Ramipril	Hydrochlorothiazide	Ramipril
1	486.6	26811.141	6690.018	99.4	100.5
2	483.8	26836.422	6700.093	100.1	101.2
3	494.5	27483.766	6868.453	100.3	101.5
4	491.9	26804.727	6712.113	98.3	99.7
5	497.8	27713.304	6920.976	100.4	101.6
6	489.2	26963.565	6753.191	99.4	100.9
		Average		99.6	100.9
		SD		0.79	0.71
		%RSD		0.79	0.71

Done by: 
Date: 29. June 17

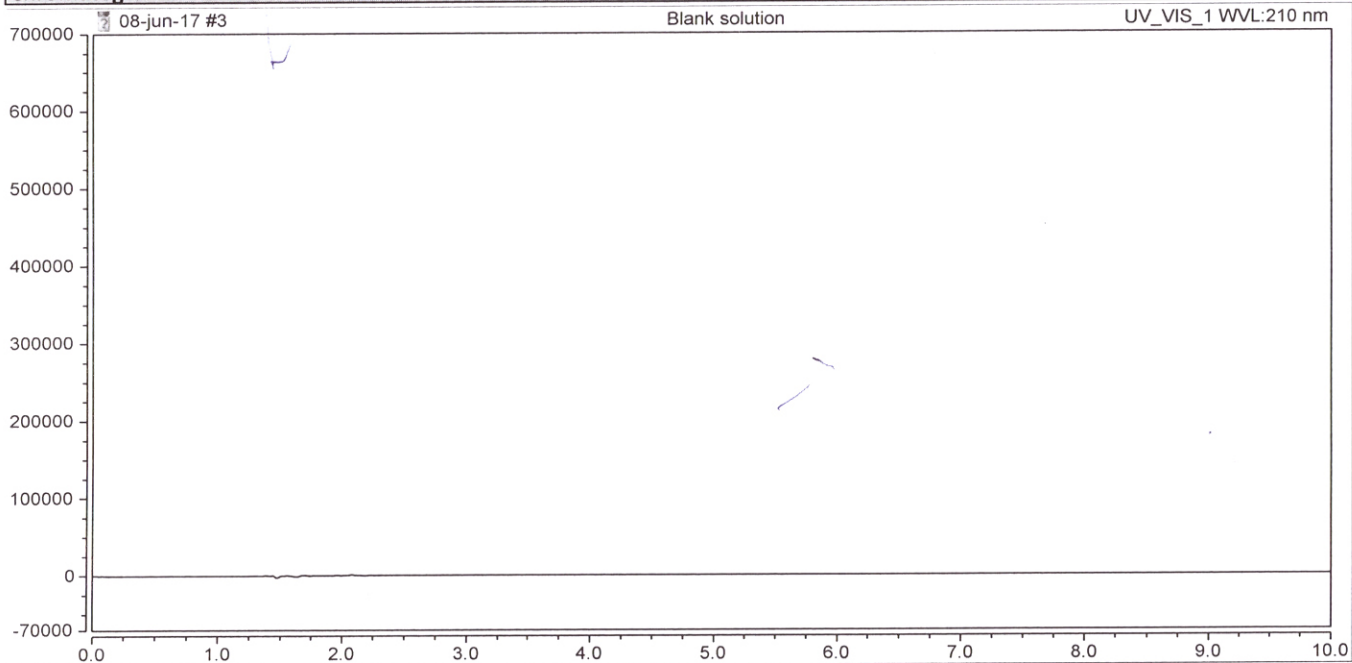
Checked by: 
Date: 29. June 17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 16:06	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

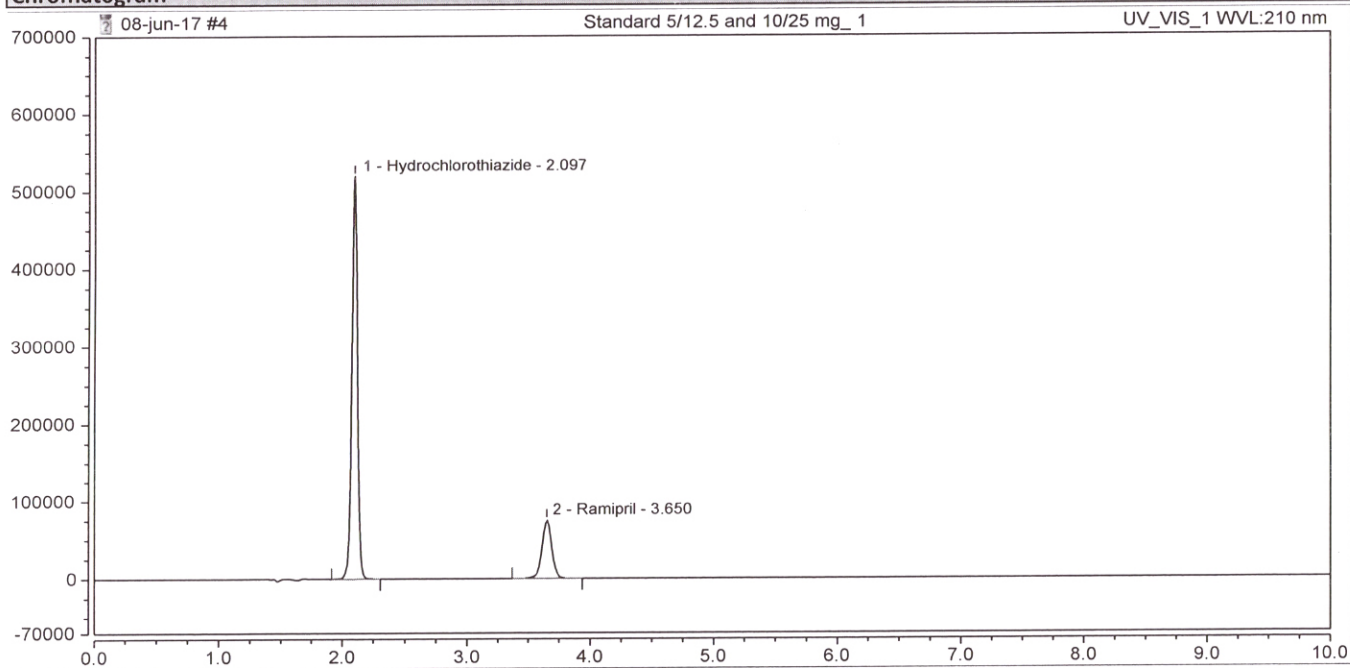
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 1	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 16:17	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

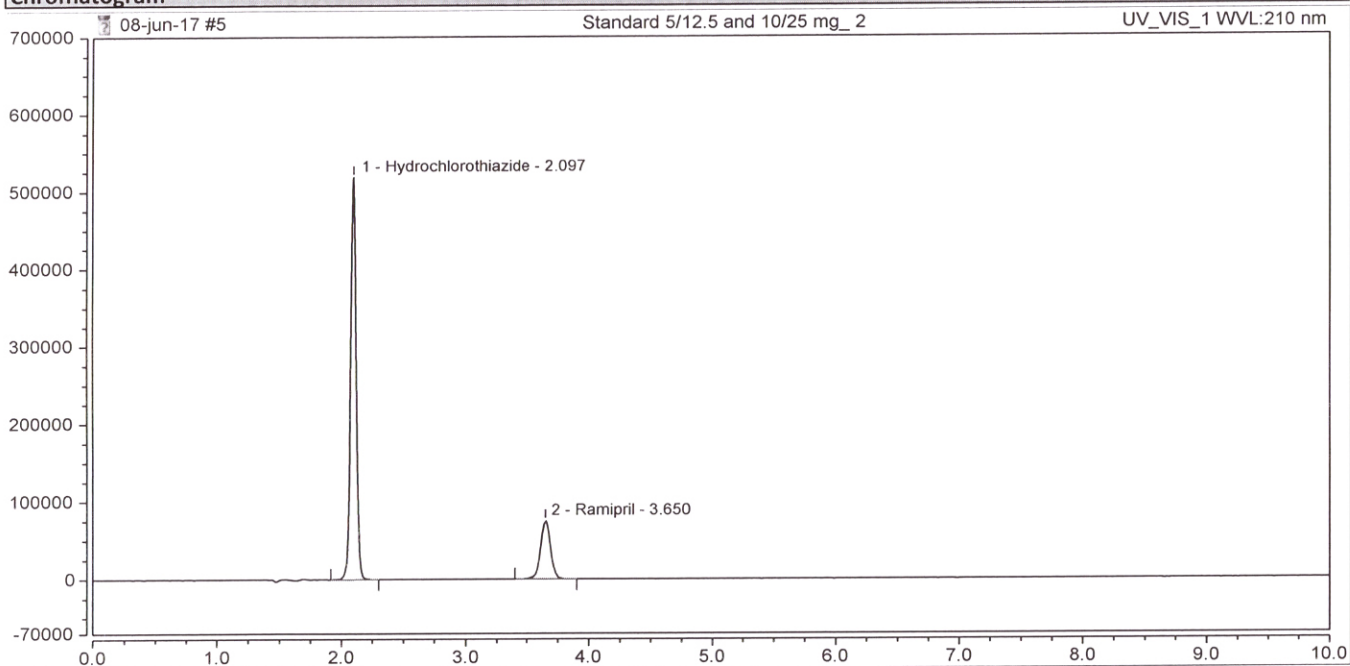
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27140.044	n.a.	1.04	10705
2	Ramipril	3.65	6928.843	n.a.	1.00	10410
Total:			34068.886	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 2	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 16:29	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27182.012	n.a.	1.03	10622
2	Ramipril	3.65	6943.844	n.a.	0.99	10382
Total:			34125.857	0.00		

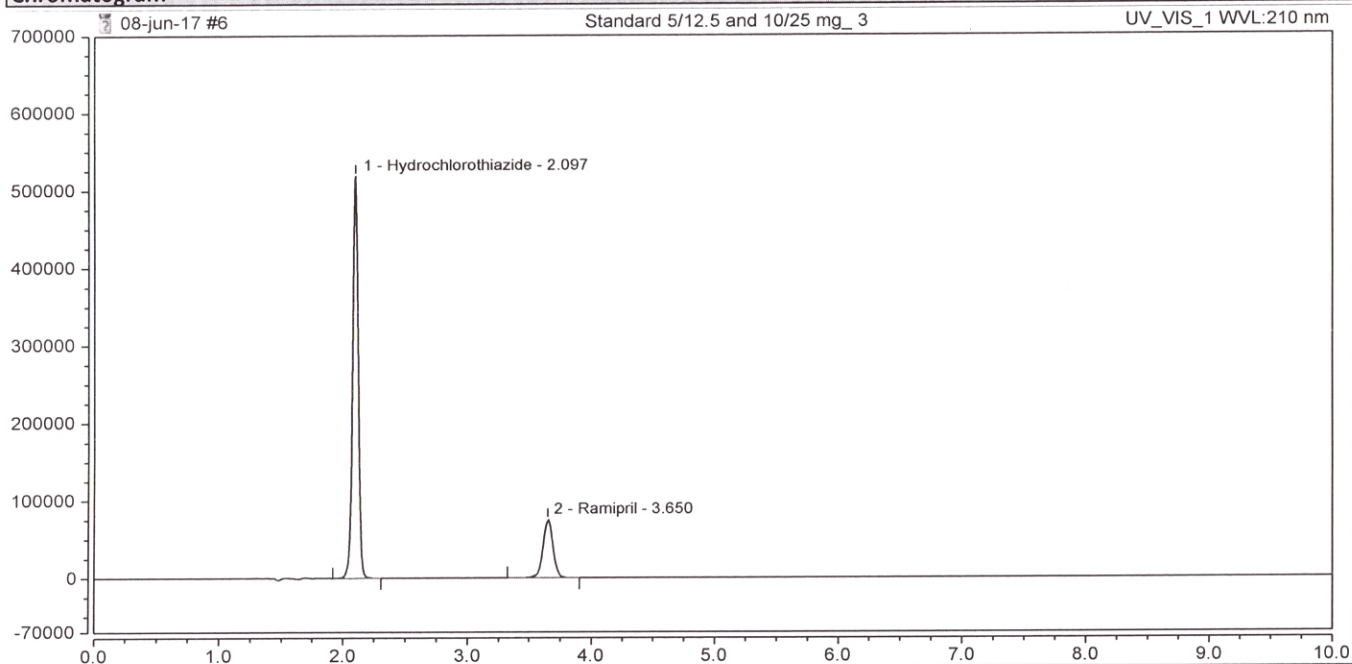
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Standard 5/12.5 and 10/25 mg_3
 Vial Number: BA2
 Injection Type: Unknown
 Instrument Method: Ramithiazide Assay- HPLC_ 67
 Processing Method: PR Method_ Ramithiazide
 Injection Date/Time: 08-Jun-2017 16:41
 User Name: niteen gapat

Run Time (min): 10.00
 Injection Volume: 10.00
 Channel: UV_VIS_1
 Wavelength: 210
 Instrument Name: QbD-INST-HPLC-67
 Sequence Name: 08-jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27163.638	n.a.	1.04	10634
2	Ramipril	3.65	6935.208	n.a.	1.00	10378
Total:			34098.846	0.00		

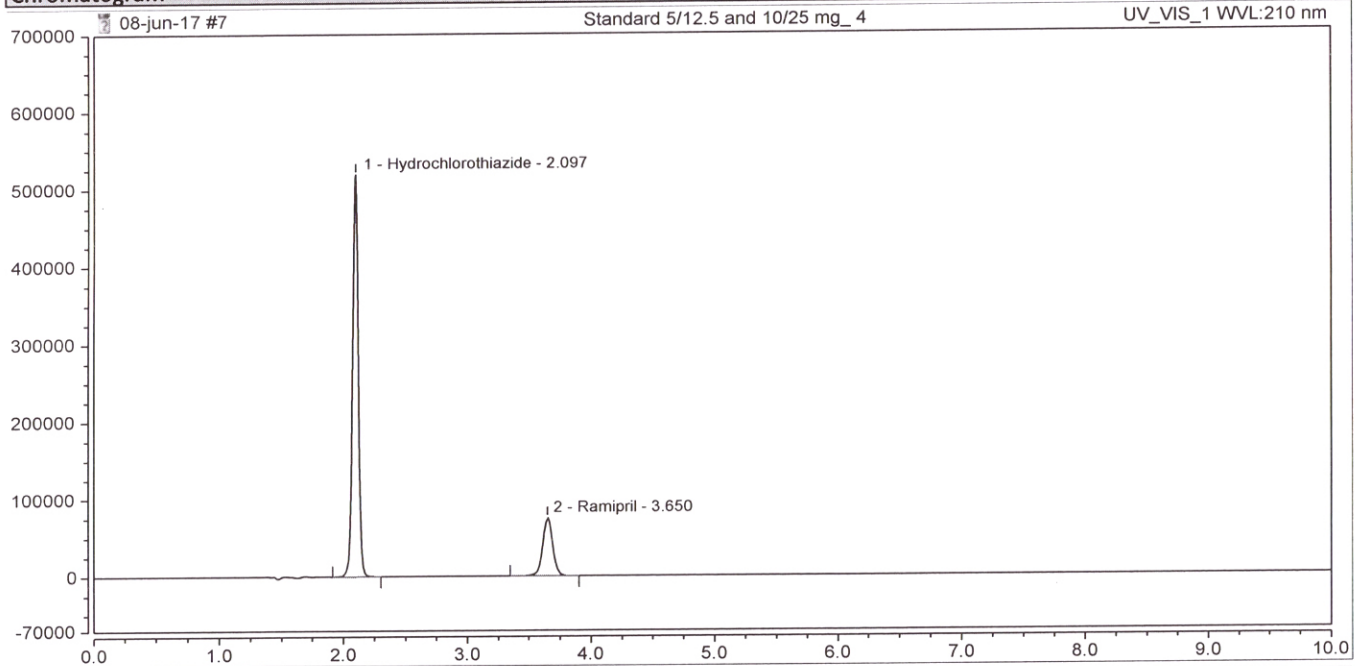
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Standard 5/12.5 and 10/25 mg_4
Vial Number: BA2
Injection Type: Unknown
Instrument Method: Ramithiazide Assay- HPLC_ 67
Processing Method: PR Method_ Ramithiazide
Injection Date/Time: 08-Jun-2017 16:53
User Name: niteen gapat

Run Time (min): 10.00
Injection Volume: 10.00
Channel: UV_VIS_1
Wavelength: 210
Instrument Name: QbD-INST-HPLC-67
Sequence Name: 08-jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27160.989	n.a.	1.03	10650
2	Ramipril	3.65	6940.622	n.a.	1.00	10392
Total:			34101.611	0.00		

Injection Name:	Standard 5/12.5 and 10/25 mg_ 5
Vial Number:	BA2
Injection Type:	Unknown
Instrument Method:	Ramithiazide Assay- HPLC_ 67
Processing Method:	PR Method_ Ramithiazide
Injection Date/Time:	08-Jun-2017 17:05
User Name:	niteen-gapat

Run Time (min):	10.00
Injection Volume:	10.00
Channel:	UV_VIS_1
Wavelength:	210
Instrument Name:	QbD-INST-HPLC-67
Sequence Name:	08-jun-17

Chromatogram showing two peaks:

- 1 - Hydrochlorothiazide - 2.097
- 2 - Ramipril - 3.650

The x-axis represents time in minutes (0.0 to 10.0). The y-axis represents intensity or concentration (-70,000 to 700,000).

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27129.962	n.a.	1.03	10640
2	Ramipril	3.65	6923.226	n.a.	1.00	10414
Total:			34053.187	0.00		

Ge
23- sum-17

Assay Validation Rep_01/Integration

24 June 17

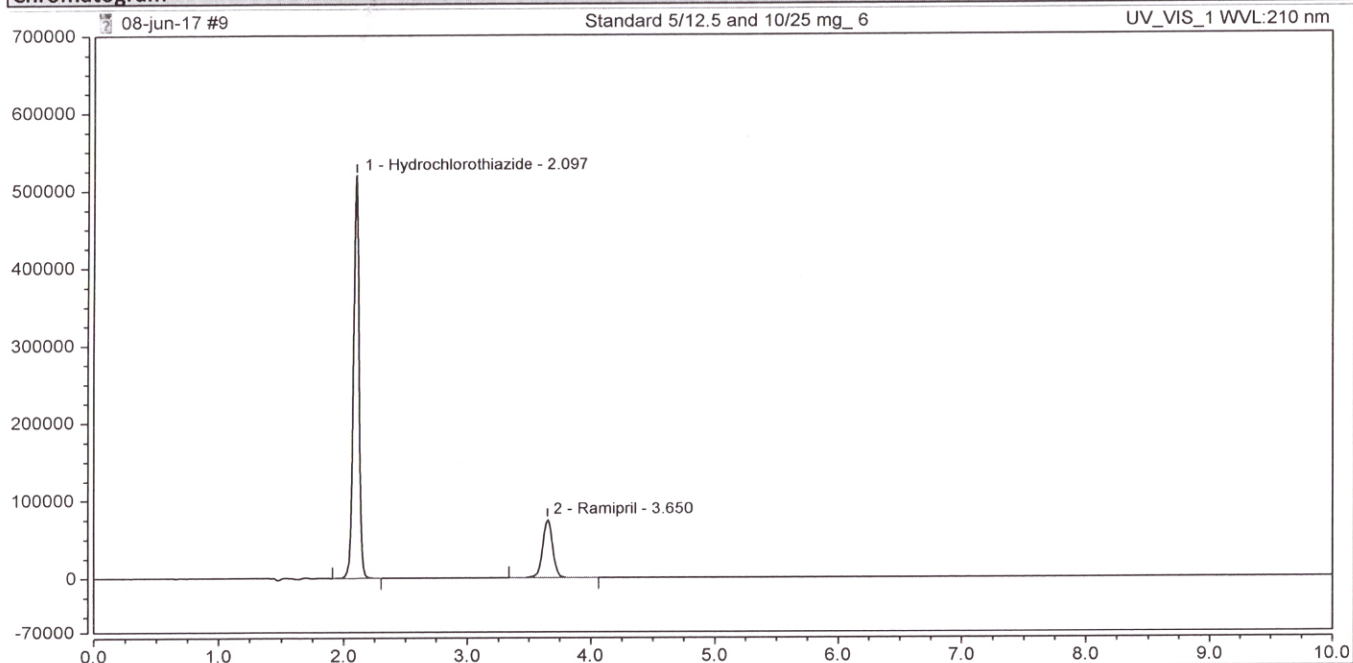
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Standard 5/12.5 and 10/25 mg_ 6
Vial Number: BA2
Injection Type: Unknown
Instrument Method: Ramithiazide Assay- HPLC_ 67
Processing Method: PR Method_ Ramithiazide
Injection Date/Time: 08-Jun-2017 17:16
User Name: niteen gapat

Run Time (min): 10.00
Injection Volume: 10.00
Channel: UV_VIS_1
Wavelength: 210
Instrument Name: QbD-INST-HPLC-67
Sequence Name: 08-jun-17

Chromatogram



Integration Results

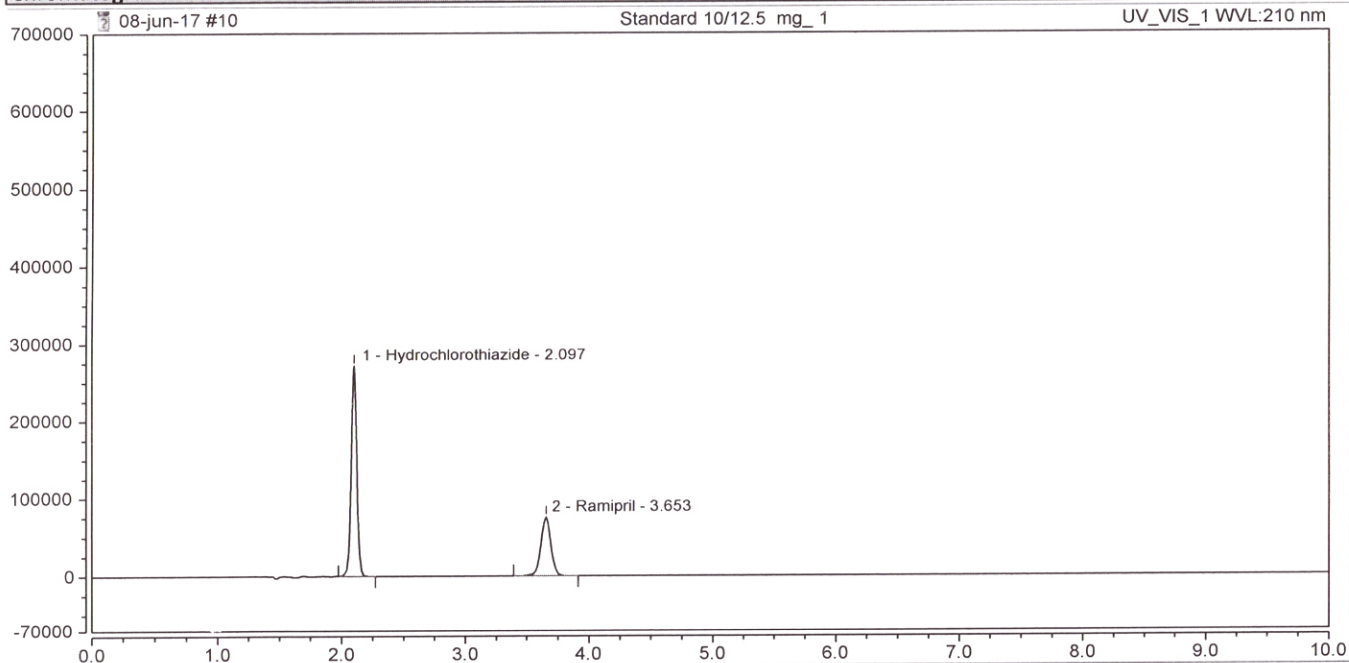
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27176.337	n.a.	1.03	10654
2	Ramipril	3.65	6945.313	n.a.	0.99	10368
Total:			34121.651	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 10/12.5 mg_1	Run Time (min):	10.00
Vial Number:	BA3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 17:28	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	14123.816	n.a.	1.06	10768
2	Ramipril	3.65	7005.022	n.a.	0.98	10338
Total:			21128.838	0.00		

QbD
23-jun-17

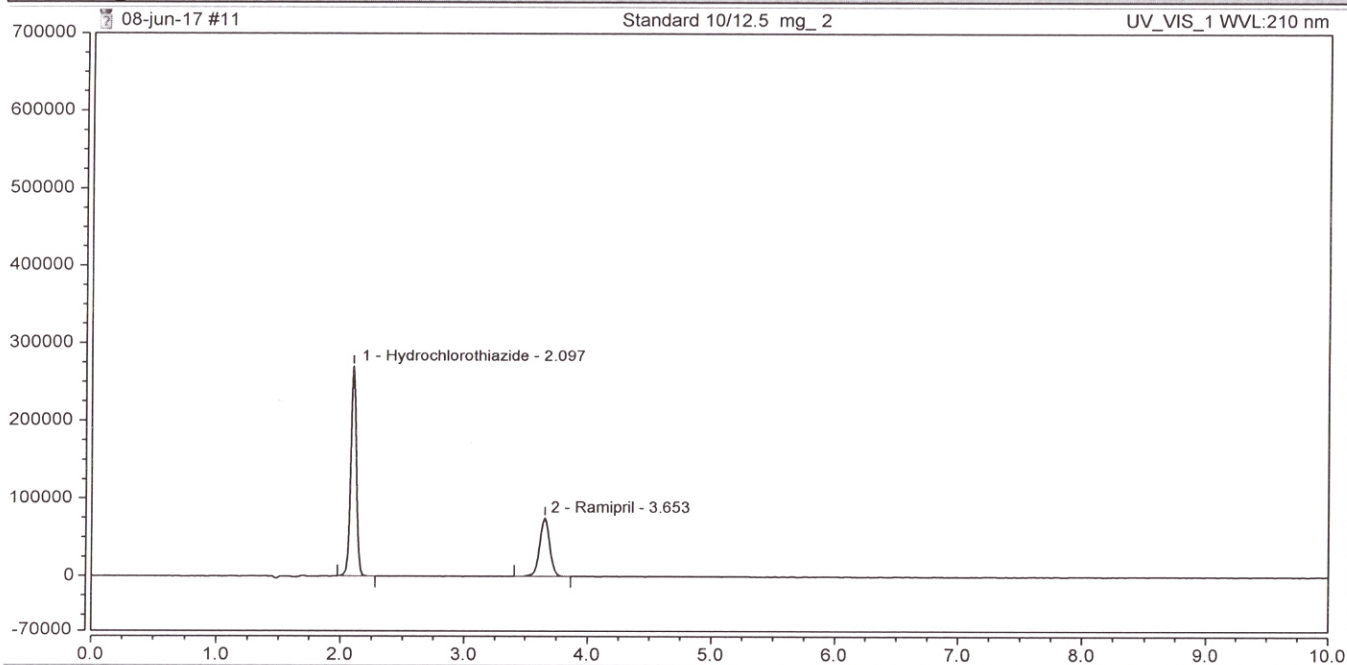
QbD
24-jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 10/12.5 mg_2	Run Time (min):	10.00
Vial Number:	BA3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 17:40	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	14086.982	n.a.	1.07	10709
2	Ramipril	3.65	6985.895	n.a.	0.99	10277
Total:			21072.878	0.00		

HL
23-jun-17

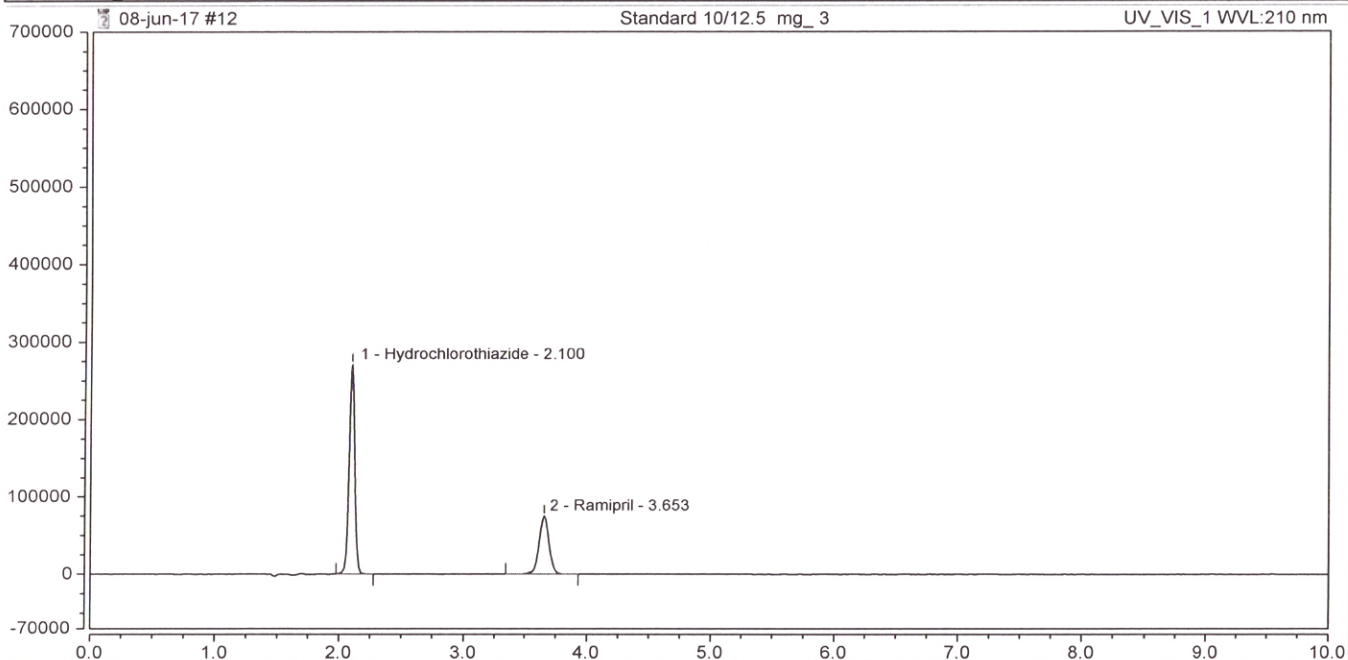
HL
24-jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 10/12.5 mg_3	Run Time (min):	10.00
Vial Number:	BA3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 17:52	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	14137.983	n.a.	1.02	10628
2	Ramipril	3.65	7006.536	n.a.	1.01	10258
Total:			21144.519	0.00		

(H)
23-jun-17

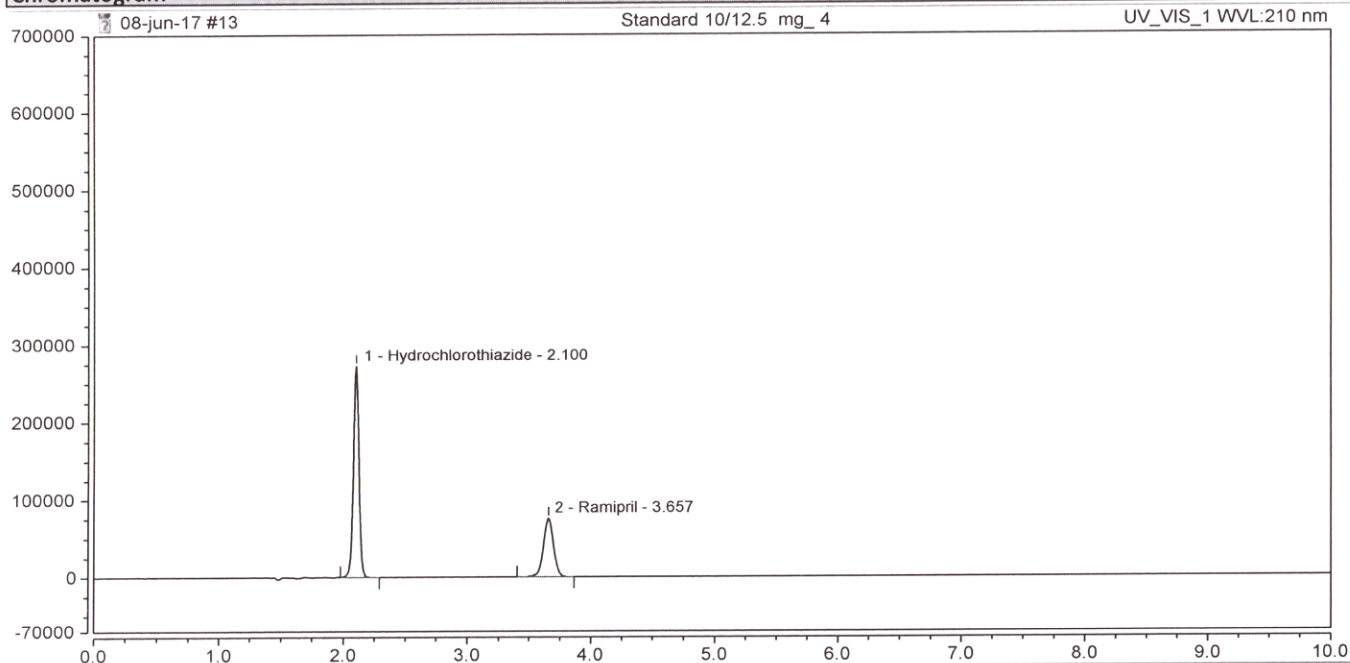
OP
24-jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 10/12.5 mg_ 4	Run Time (min):	10.00
Vial Number:	BA3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 18:03	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	14224.821	n.a.	1.04	10628
2	Ramipril	3.66	7039.733	n.a.	0.98	10233
Total:			21264.554	0.00		

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23-Jun-17

Assay Validation Rep_01/Integration

08-jun-17
24-Jun-17

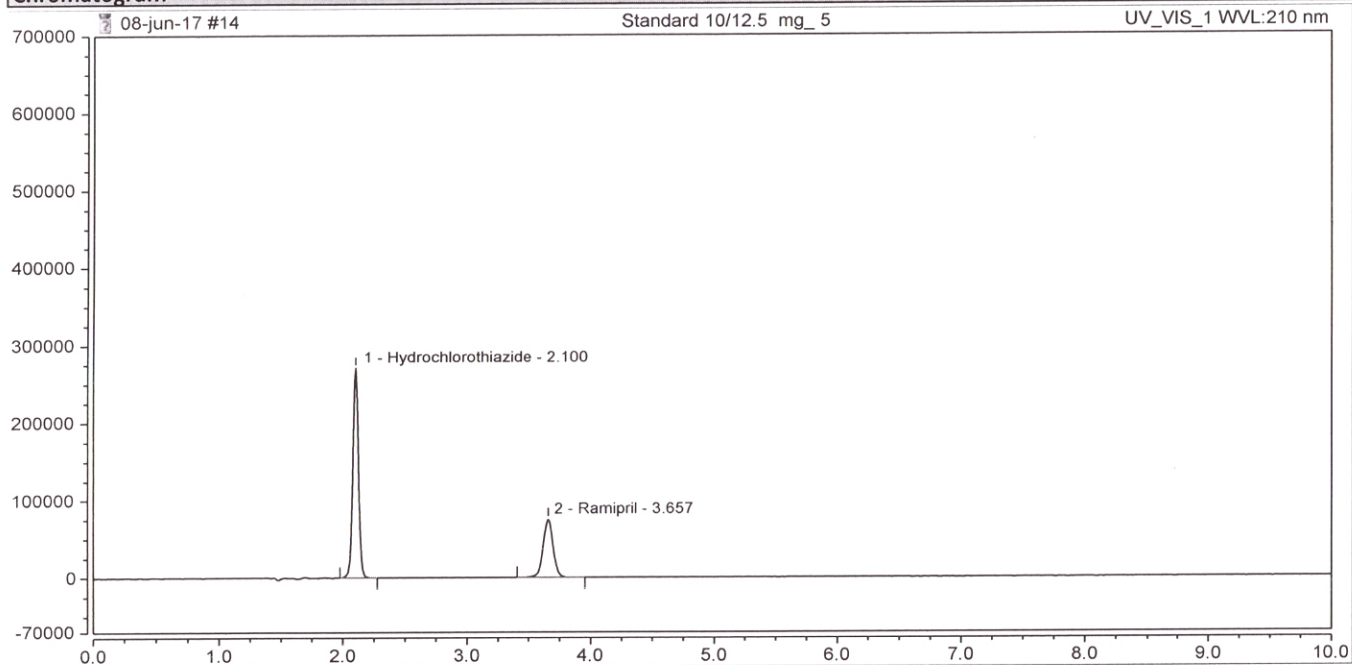
Chromleon (c) Dionex
Version 7.2.4.8525

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 10/12.5 mg_5	Run Time (min):	10.00
Vial Number:	BA3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 18:15	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	14154.966	n.a.	1.06	10654
2	Ramipril	3.66	7024.769	n.a.	1.00	10194
Total:			21179.736	0.00		

QbD
23-Jun-17

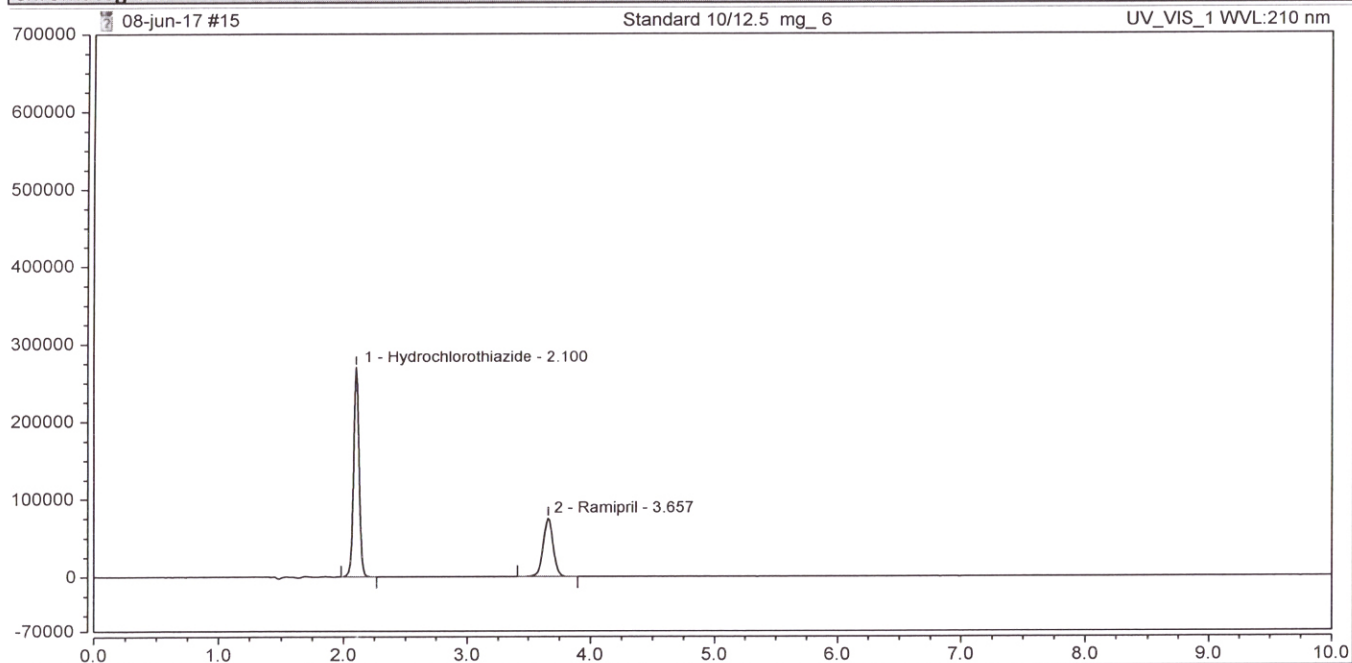
QbD
23-Jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 10/12.5 mg_6	Run Time (min):	10.00
Vial Number:	BA3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 18:27	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	14132.359	n.a.	1.08	10635
2	Ramipril	3.66	6996.007	n.a.	1.00	10202
Total:			21128.365	0.00		

File
23-jun-17

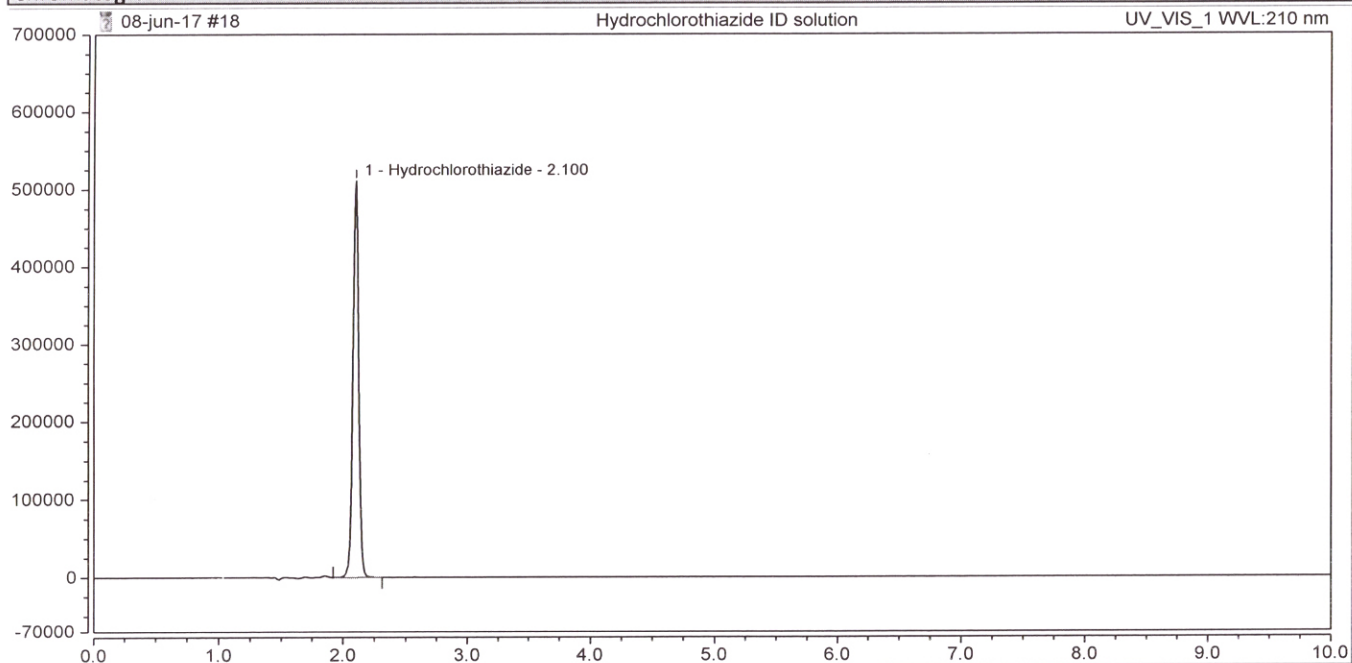
File
24-jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Hydrochlorothiazide ID solution	Run Time (min):	10.00
Vial Number:	BA5	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 19:02	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26857.995	n.a.	1.03	10584
Total:			26857.995	0.00		

08
23-Jun-17

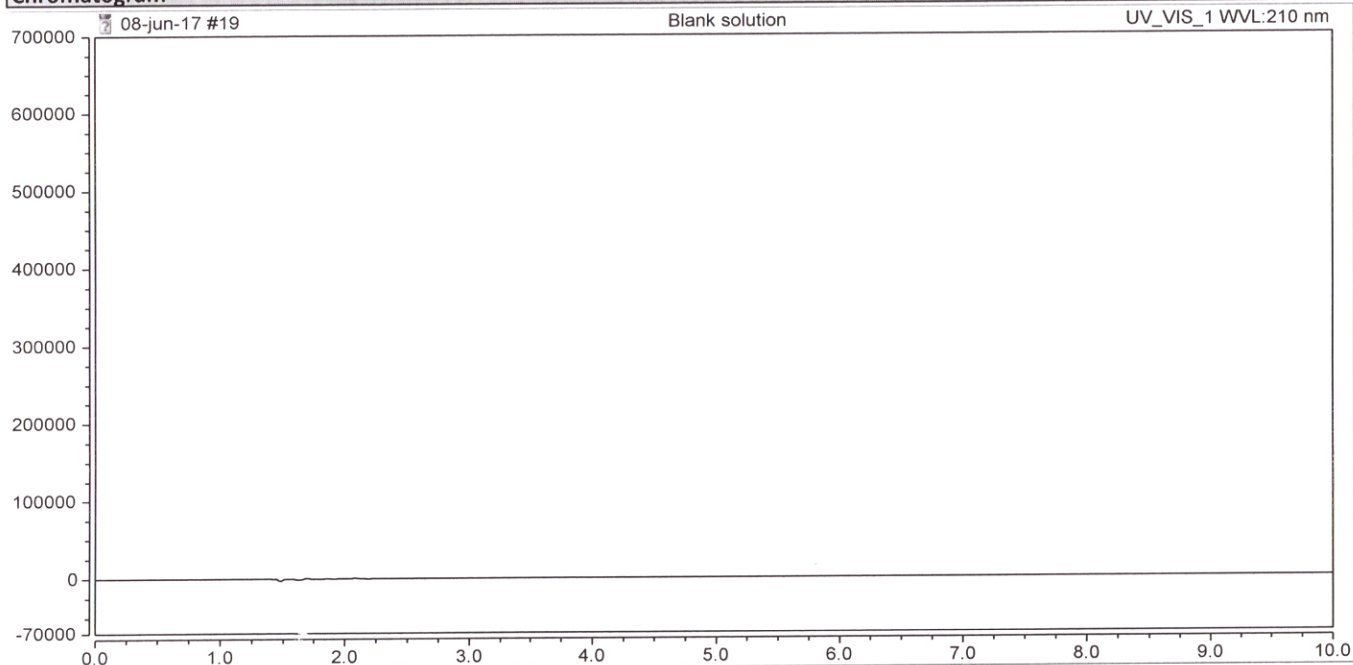
08
24-Jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 19:14	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:

Placebo solution 10/25mg

Run Time (min):

10.00

Vial Number:

BA6

Injection Volume:

10.00

Injection Type:

Unknown

Channel:

UV_VIS_1

Instrument Method:

Ramithiazide Assay- HPLC_ 67

Wavelength:

210

Processing Method:

PR Method_ Ramithiazide

Instrument Name:

QbD-INST-HPLC-67

Injection Date/Time:

08-Jun-2017 19:25

Sequence Name:

08-jun-17

User Name:

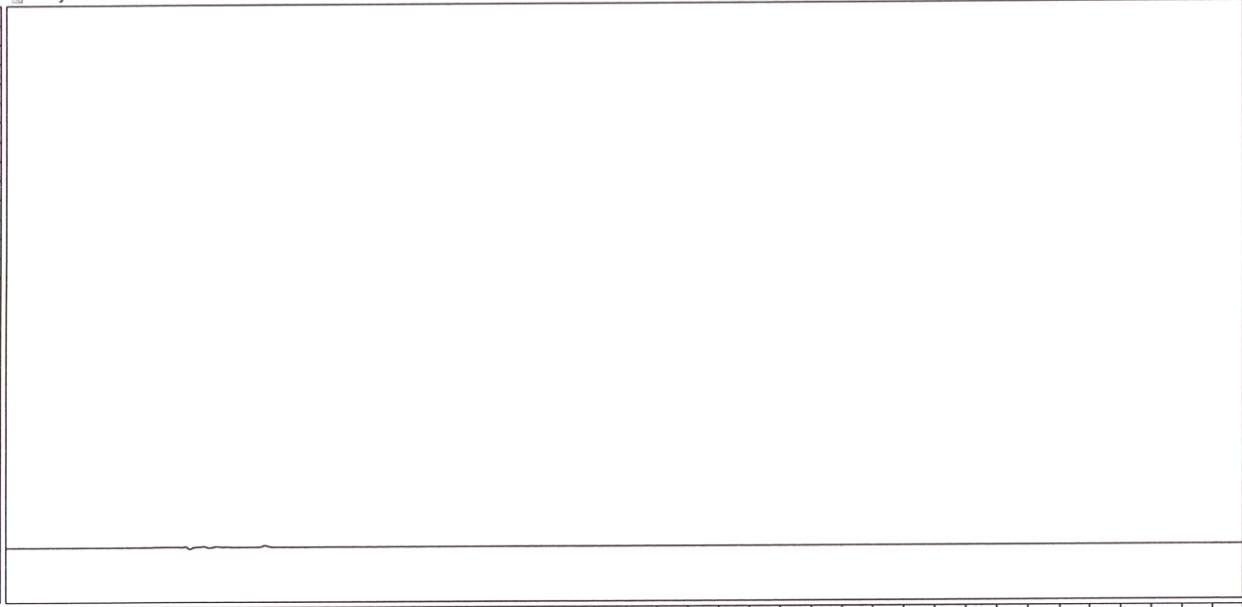
niteen gapat

Chromatogram

08-jun-17 #20

Placebo solution 10/25mg

UV_VIS_1 WVL:210 nm



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:

Ramipril ID solution

Run Time (min):

10.00

Vial Number:

BA4

Injection Volume:

10.00

Injection Type:

Unknown

Channel:

UV_VIS_1

Instrument Method:

Ramithiazide Assay- HPLC_ 67

Wavelength:

210

Processing Method:

PR Method_ Ramithiazide

Instrument Name:

QbD-INST-HPLC-67

Injection Date/Time:

08-Jun-2017 18:50

Sequence Name:

08-jun-17

User Name:

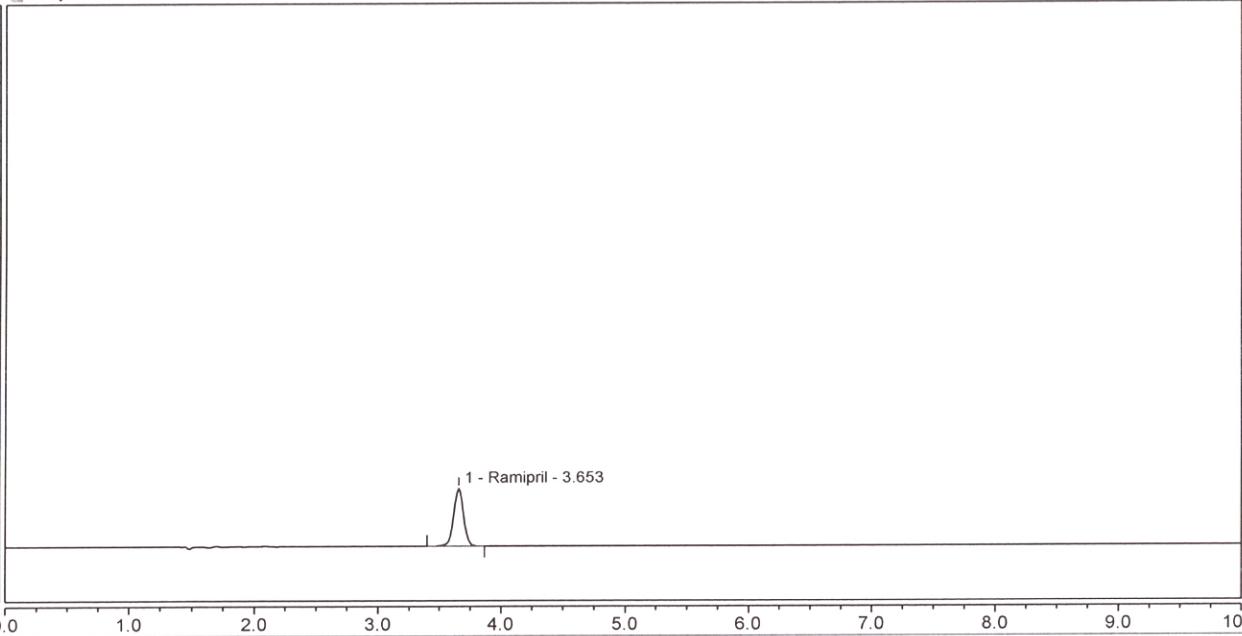
niteen gapat

Chromatogram

08-jun-17 #17

Ramipril ID solution

UV_VIS_1 WVL:210 nm



Integration Results

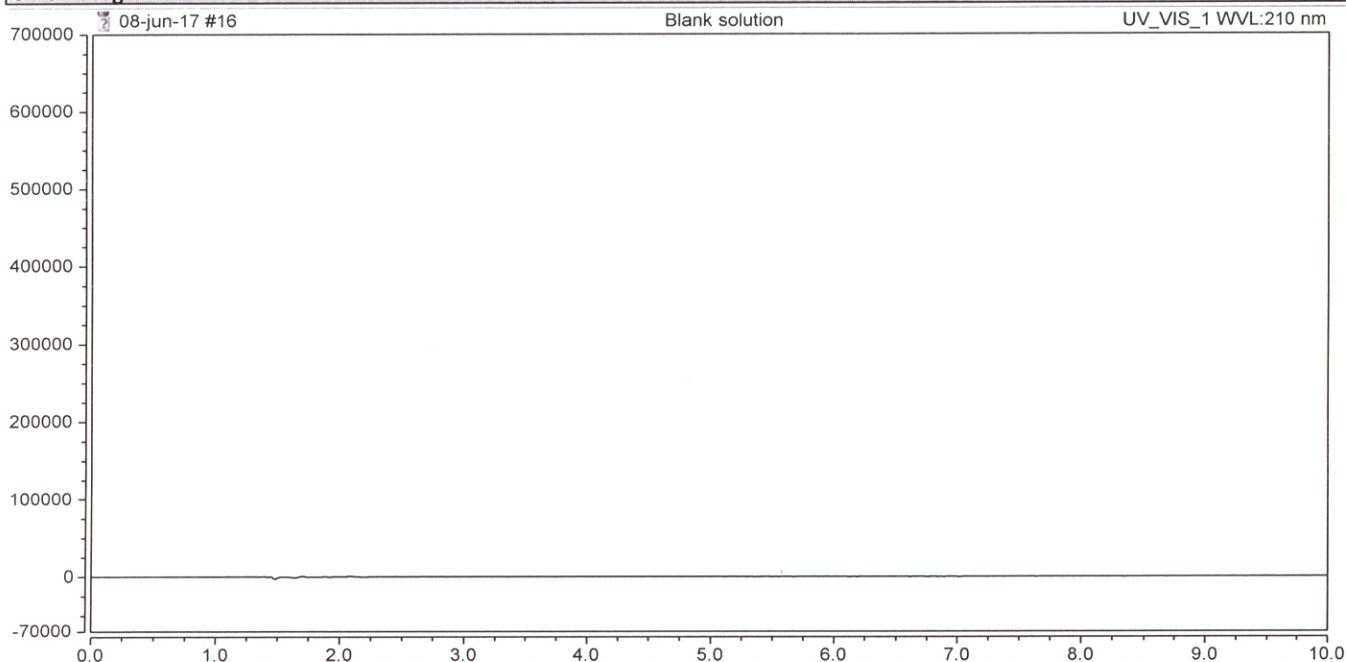
No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Ramipril	3.65	6910.967	n.a.	1.00	10249
Total:			6910.967	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 18:39	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

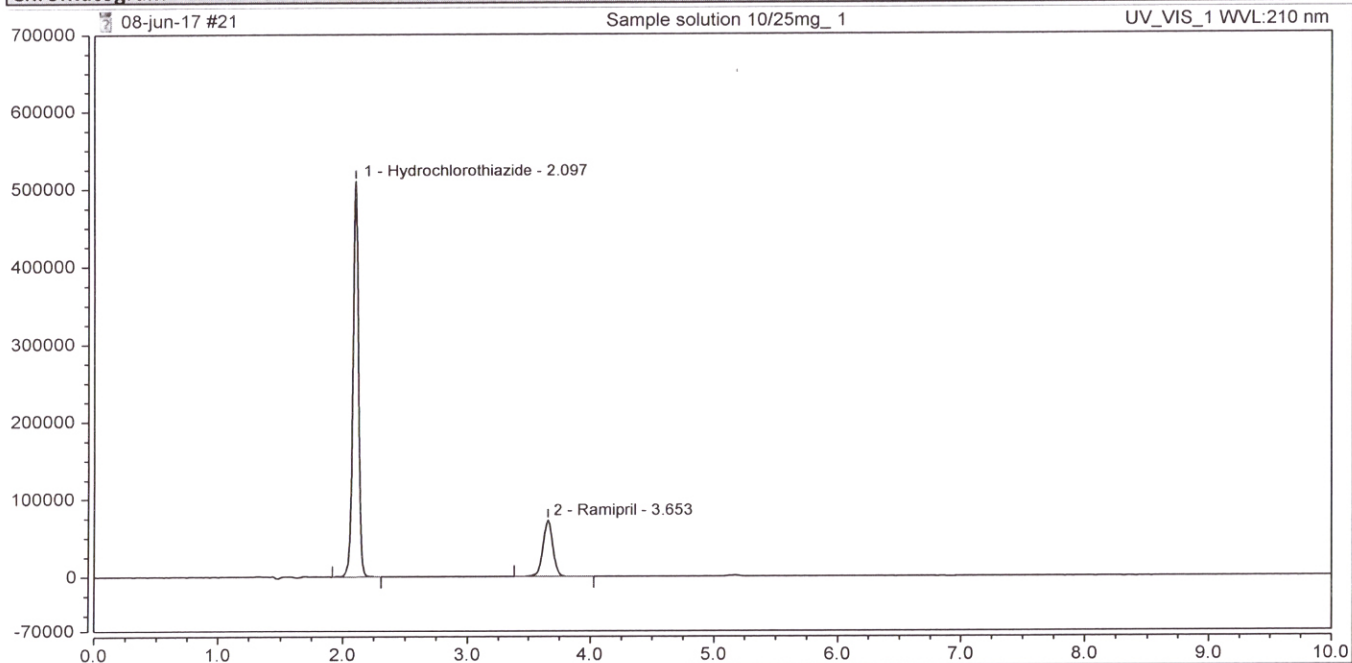
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_ 1	Run Time (min):	10.00
Vial Number:	BA7	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 19:38	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

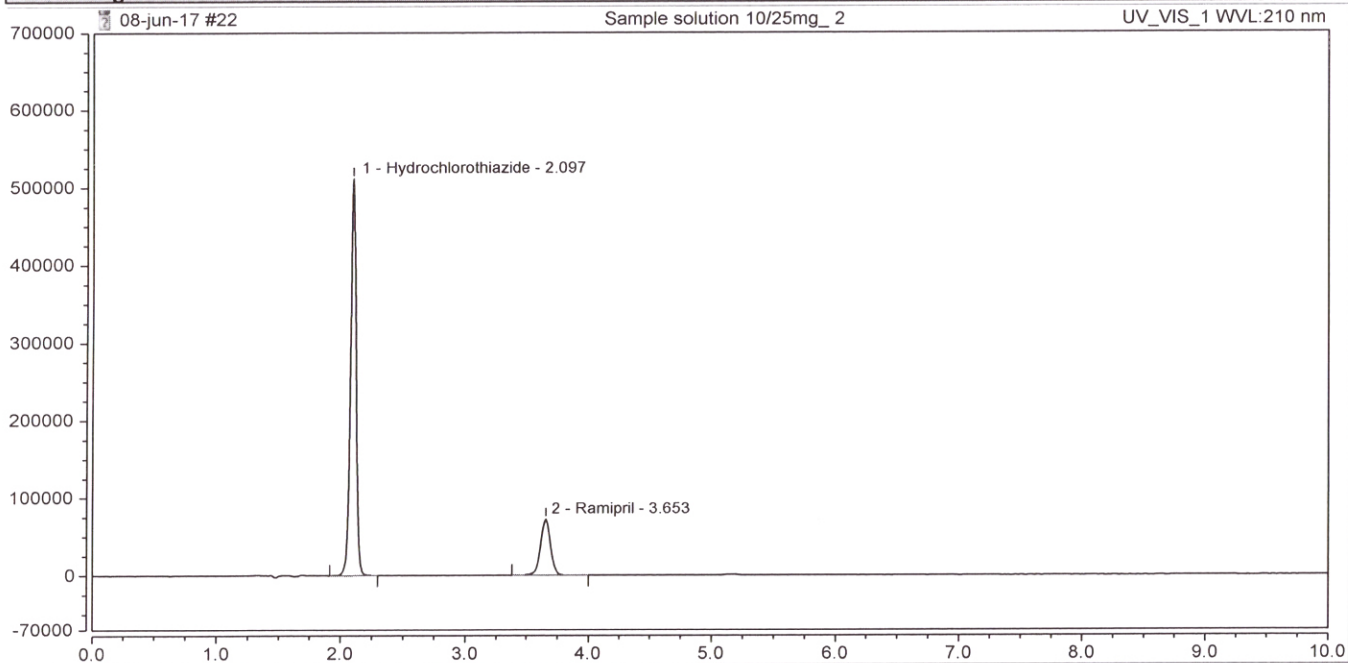
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26811.141	n.a.	1.06	10612
2	Ramipril	3.65	6690.018	n.a.	1.00	10364
Total:			33501.159	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_ 2	Run Time (min):	10.00
Vial Number:	BA8	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 19:49	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

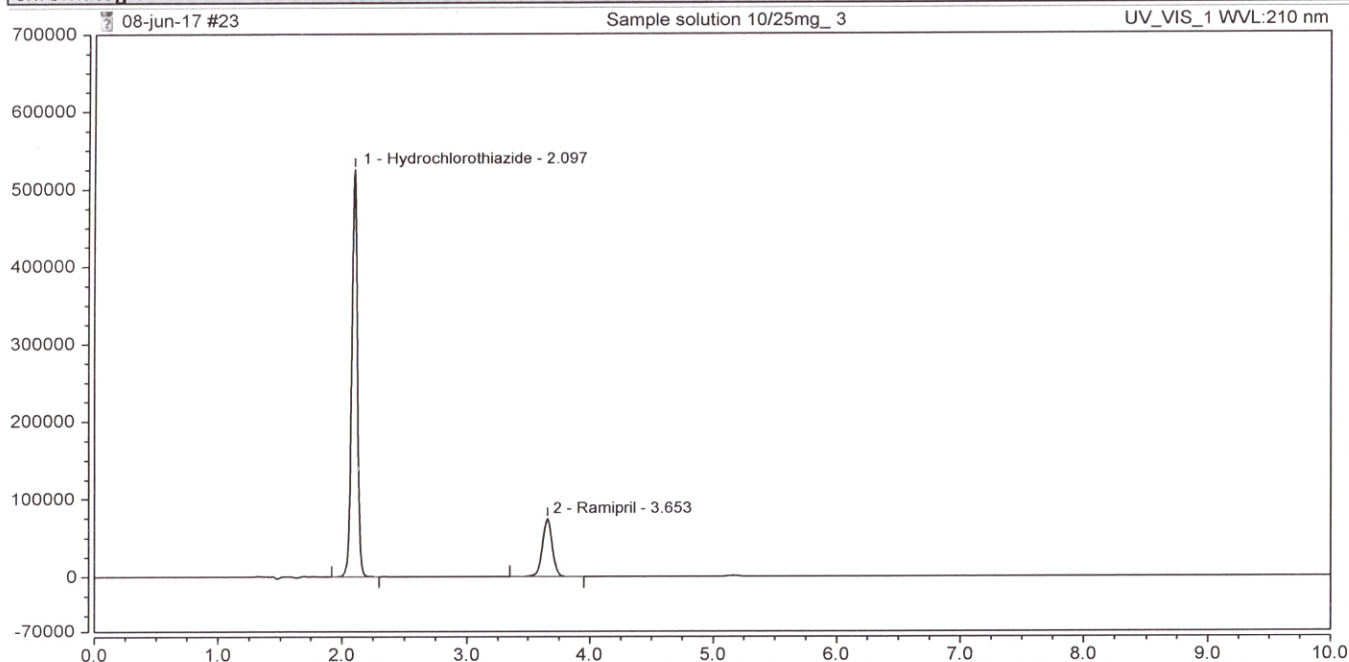
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26836.422	n.a.	1.05	10616
2	Ramipril	3.65	6700.093	n.a.	0.99	10374
Total:			33536.515	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_3	Run Time (min):	10.00
Vial Number:	BB1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 20:01	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

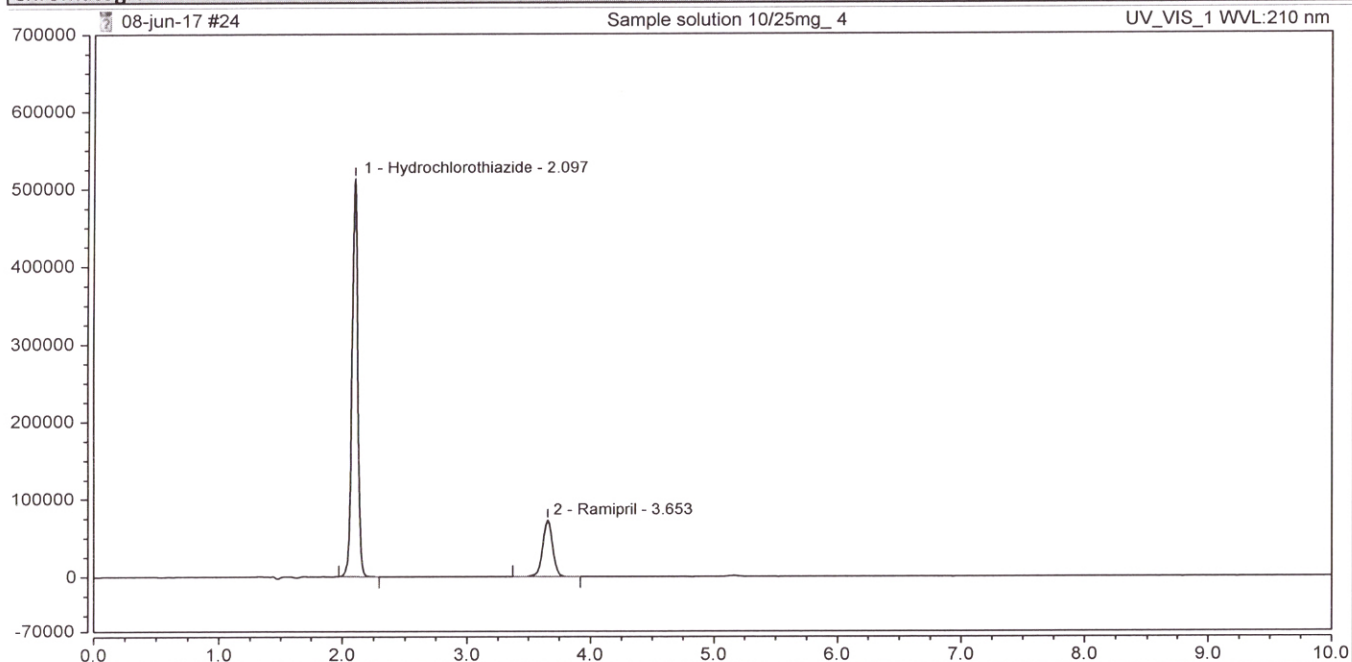
No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27483.766	n.a.	1.06	10710
2	Ramipril	3.65	6868.453	n.a.	0.99	10403
Total:			34352.219	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_4	Run Time (min):	10.00
Vial Number:	BB2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 20:13	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26804.727	n.a.	1.05	10683
2	Ramipril	3.65	6712.113	n.a.	0.99	10405
Total:			33516.840	0.00		

08-jun-17

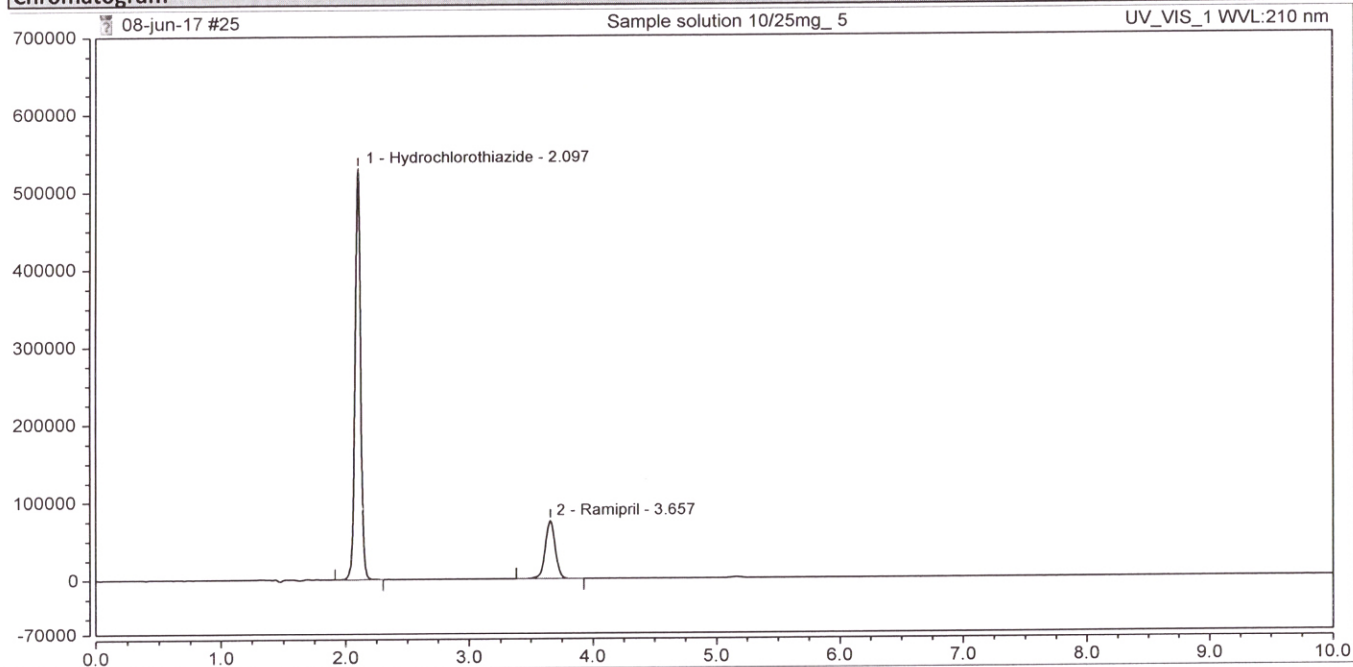
08-jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_ 5	Run Time (min):	10.00
Vial Number:	BB3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 20:25	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

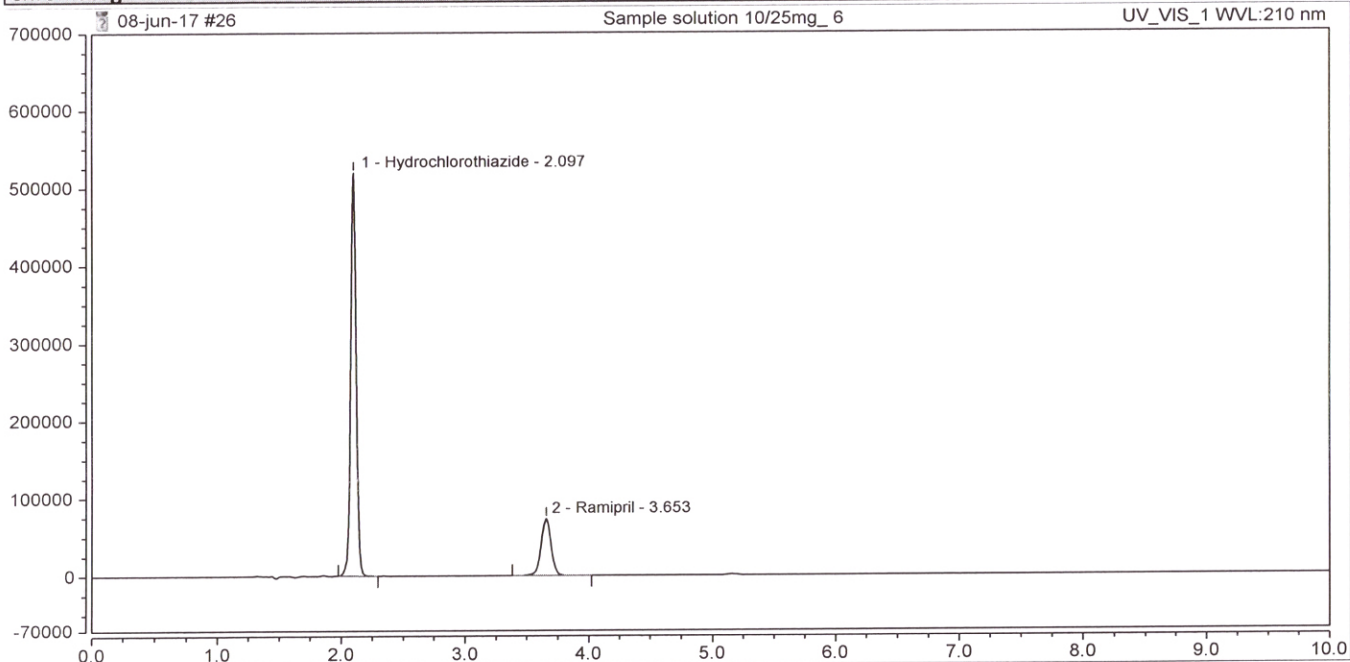
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27713.304	n.a.	1.06	10718
2	Ramipril	3.66	6920.976	n.a.	0.97	10463
Total:			34634.280	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_6	Run Time (min):	10.00
Vial Number:	BB4	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 20:36	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26963.565	n.a.	1.03	10761
2	Ramipril	3.65	6753.191	n.a.	0.99	10448
Total:			33716.756	0.00		

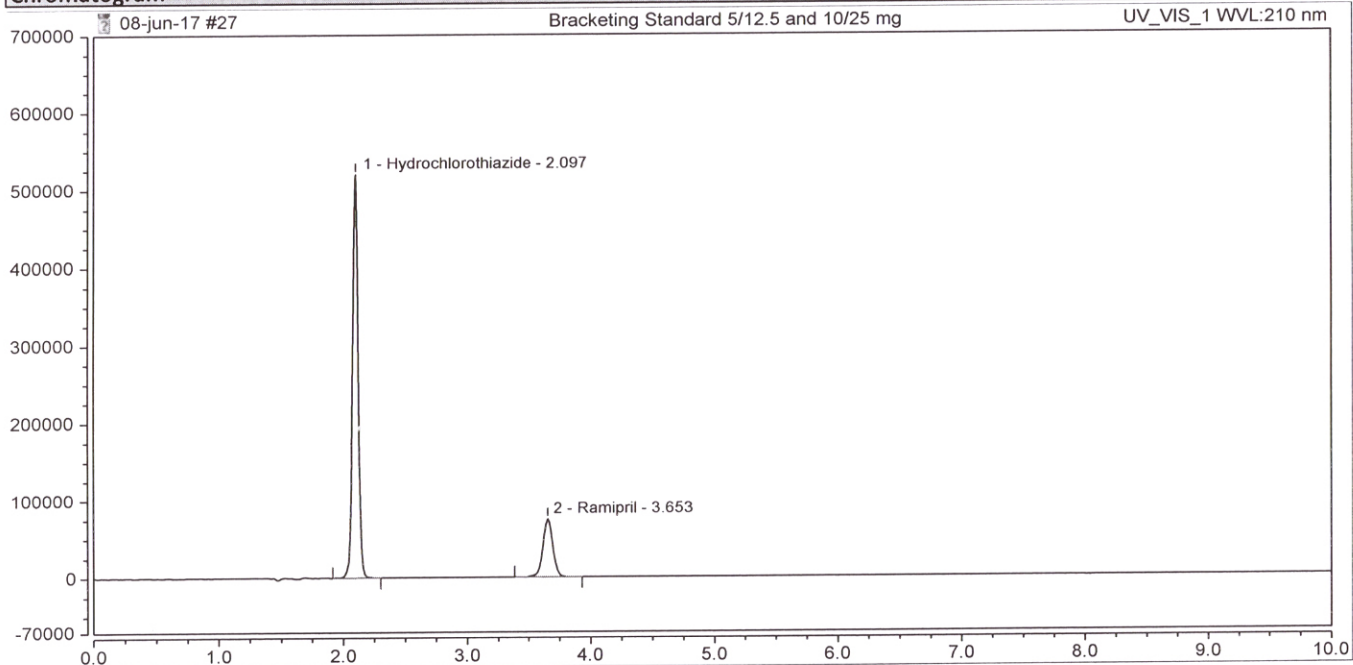
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Bracketing Standard 5/12.5 and 10/25 mg
Vial Number: BA2
Injection Type: Unknown
Instrument Method: Ramithiazide Assay- HPLC_ 67
Processing Method: PR Method_ Ramithiazide
Injection Date/Time: 08-Jun-2017 20:48
User Name: niteen gapat

Run Time (min): 10.00
Injection Volume: 10.00
Channel: UV_VIS_1
Wavelength: 210
Instrument Name: QbD-INST-HPLC-67
Sequence Name: 08-jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27215.507	n.a.	1.04	10676
2	Ramipril	3.65	6957.932	n.a.	1.00	10391
Total:			34173.439	0.00		

me
23-jun-17

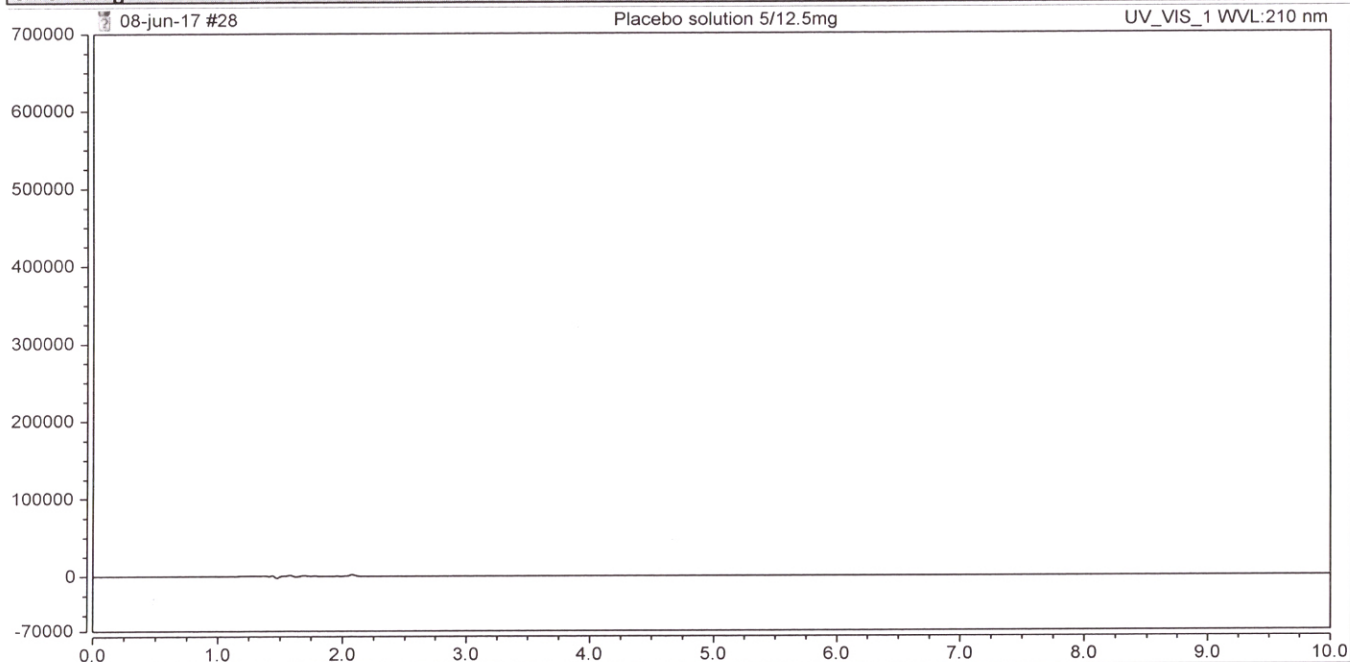
me
23-jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Placebo solution 5/12.5mg	Run Time (min):	10.00
Vial Number:	BB5	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 21:00	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

6/23/2017

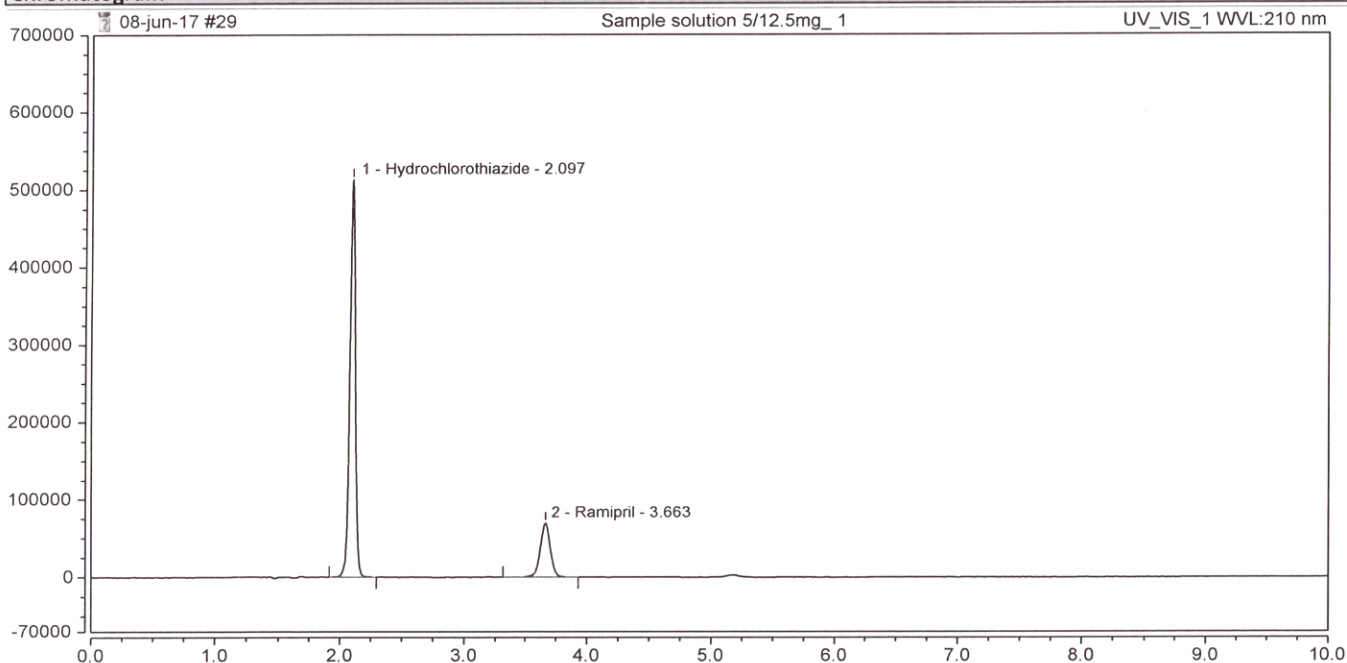
24-jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 5/12.5mg_1	Run Time (min):	10.00
Vial Number:	BB6	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 21:12	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26742.050	n.a.	1.02	10743
2	Ramipril	3.66	6512.104	n.a.	0.99	10393
Total:			33254.154	0.00		

6/9
23-jun-17

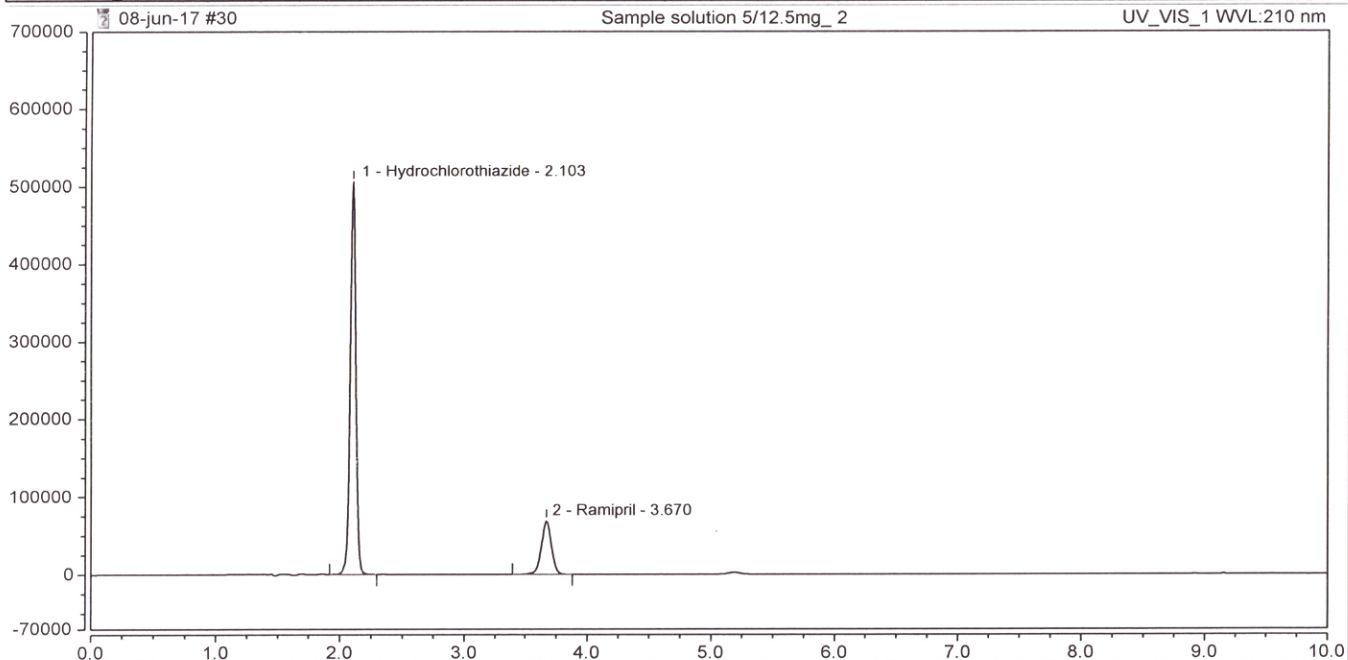
Sprijan
24-jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 5/12.5mg_ 2	Run Time (min):	10.00
Vial Number:	BB7	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 21:23	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26540.983	n.a.	1.00	10804
2	Ramipril	3.67	6430.609	n.a.	0.99	10360
Total:			32971.592	0.00		

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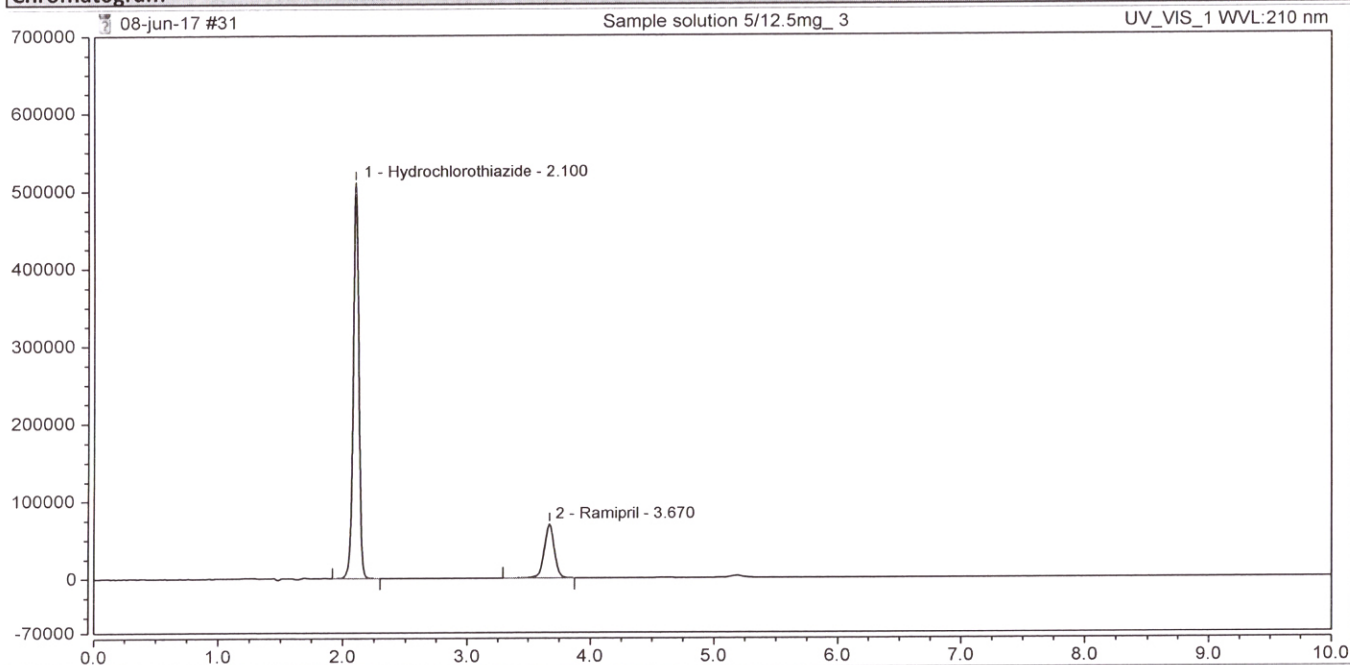
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Sample solution 5/12.5mg_3
Vial Number: BB8
Injection Type: Unknown
Instrument Method: Ramithiazide Assay- HPLC_ 67
Processing Method: PR Method_ Ramithiazide
Injection Date/Time: 08-Jun-2017 21:35
User Name: niteen gapat

Run Time (min): 10.00
Injection Volume: 10.00
Channel: UV_VIS_1
Wavelength: 210
Instrument Name: QbD-INST-HPLC-67
Sequence Name: 08-jun-17

Chromatogram



Integration Results

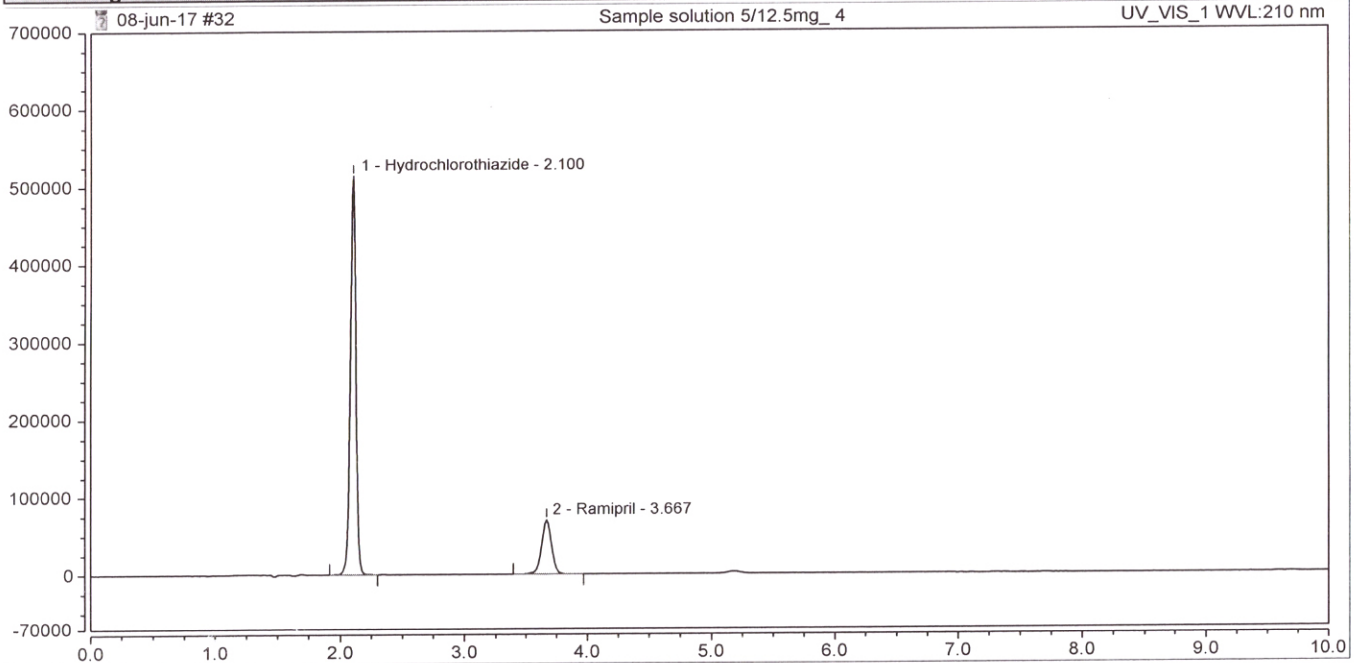
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26760.319	n.a.	1.05	10745
2	Ramipril	3.67	6552.363	n.a.	0.96	10361
Total:			33312.682	0.00		

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Injection Details

Injection Name:	Sample solution 5/12.5mg_4	Run Time (min):	10.00
Vial Number:	BC1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 21:47	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

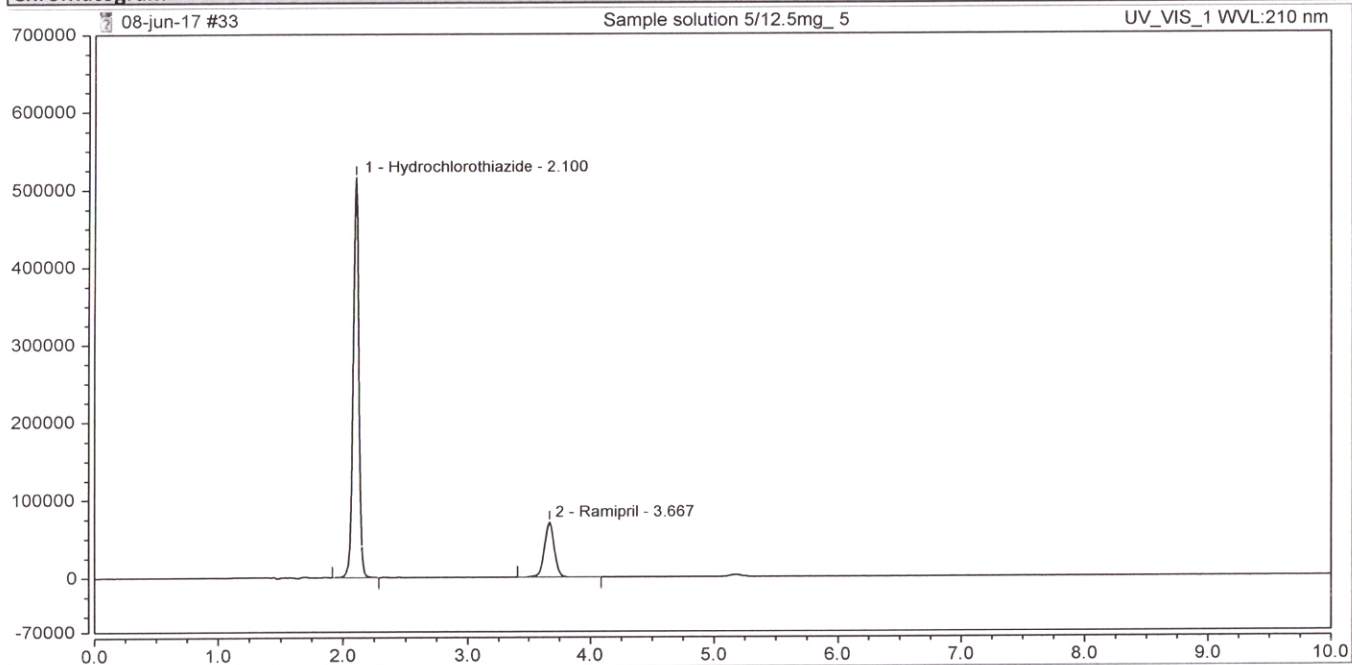
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26787.668	n.a.	1.03	10815
2	Ramipril	3.67	6502.765	n.a.	0.98	10377
Total:			33290.432	0.00		

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Injection Details

Injection Name:	Sample solution 5/12.5mg_ 5	Run Time (min):	10.00
Vial Number:	BC2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 21:59	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

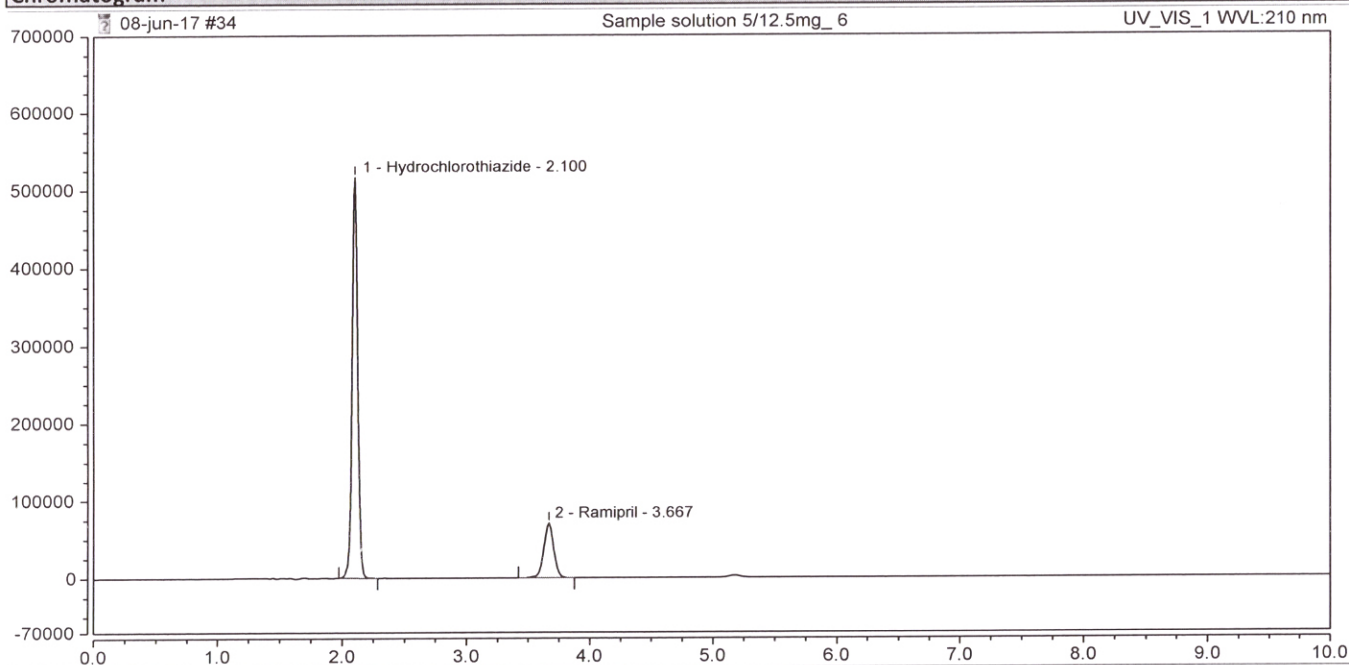
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26969.459	n.a.	1.04	10755
2	Ramipril	3.67	6559.458	n.a.	0.98	10387
Total:			33528.917	0.00		

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Injection Details

Injection Name:	Sample solution 5/12.5mg_ 6	Run Time (min):	10.00
Vial Number:	BC3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 22:10	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

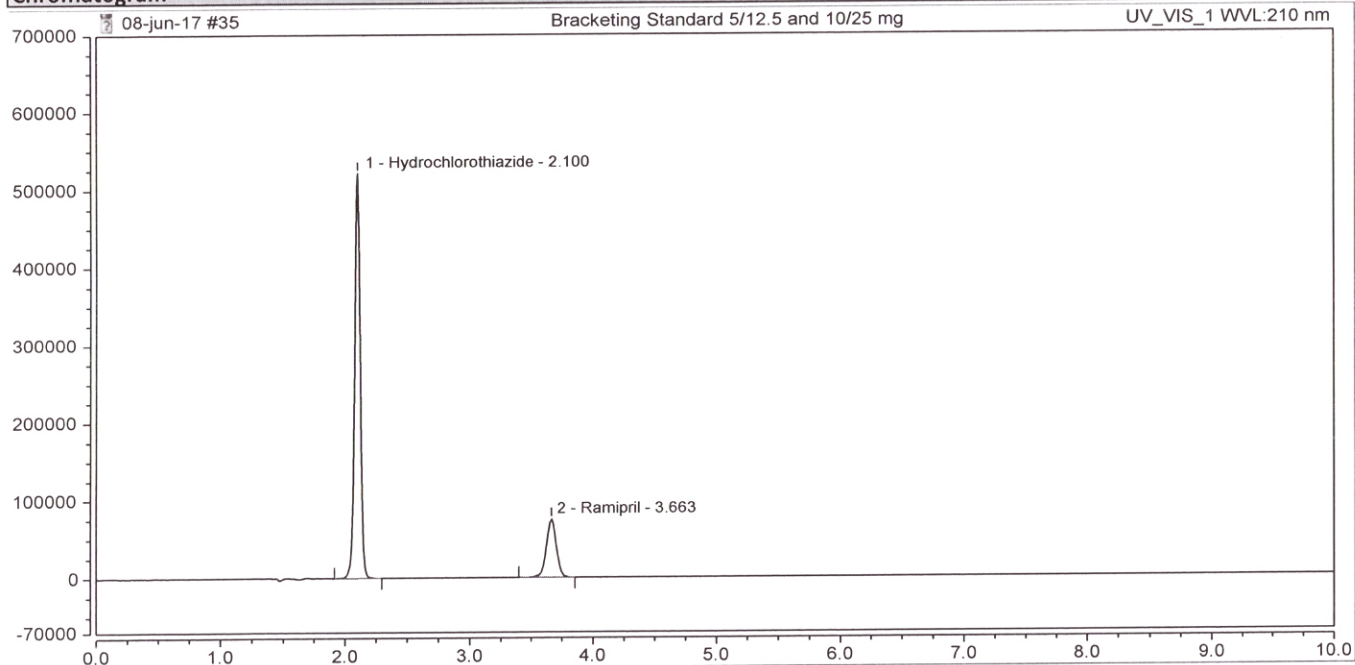
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26818.478	n.a.	1.02	10809
2	Ramipril	3.67	6507.422	n.a.	0.97	10473
Total:			33325.900	0.00		

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Injection Details

Injection Name:	Bracketing Standard 5/12.5 and 10/25 mg	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 22:22	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27206.564	n.a.	1.01	10834
2	Ramipril	3.66	6934.476	n.a.	0.98	10475
Total:			34141.040	0.00		

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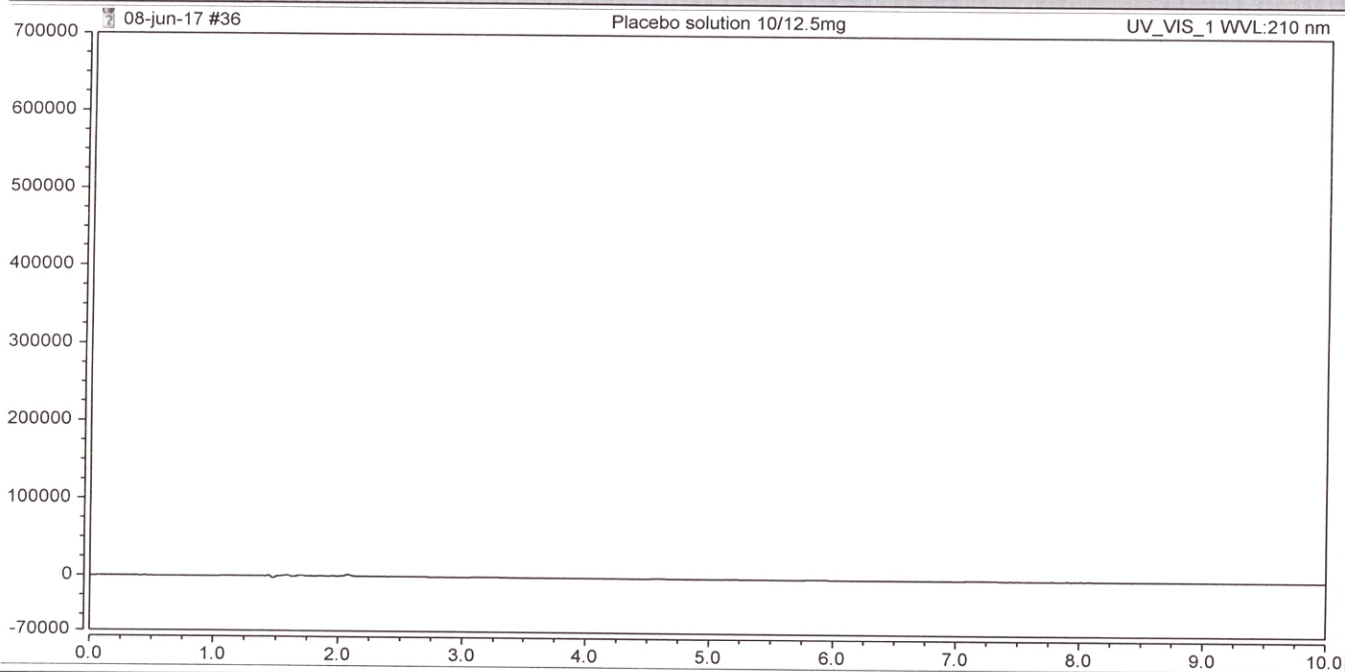
by
24-jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Placebo solution 10/12.5mg	Run Time (min):	10.00
Vial Number:	BC4	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 22:34	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

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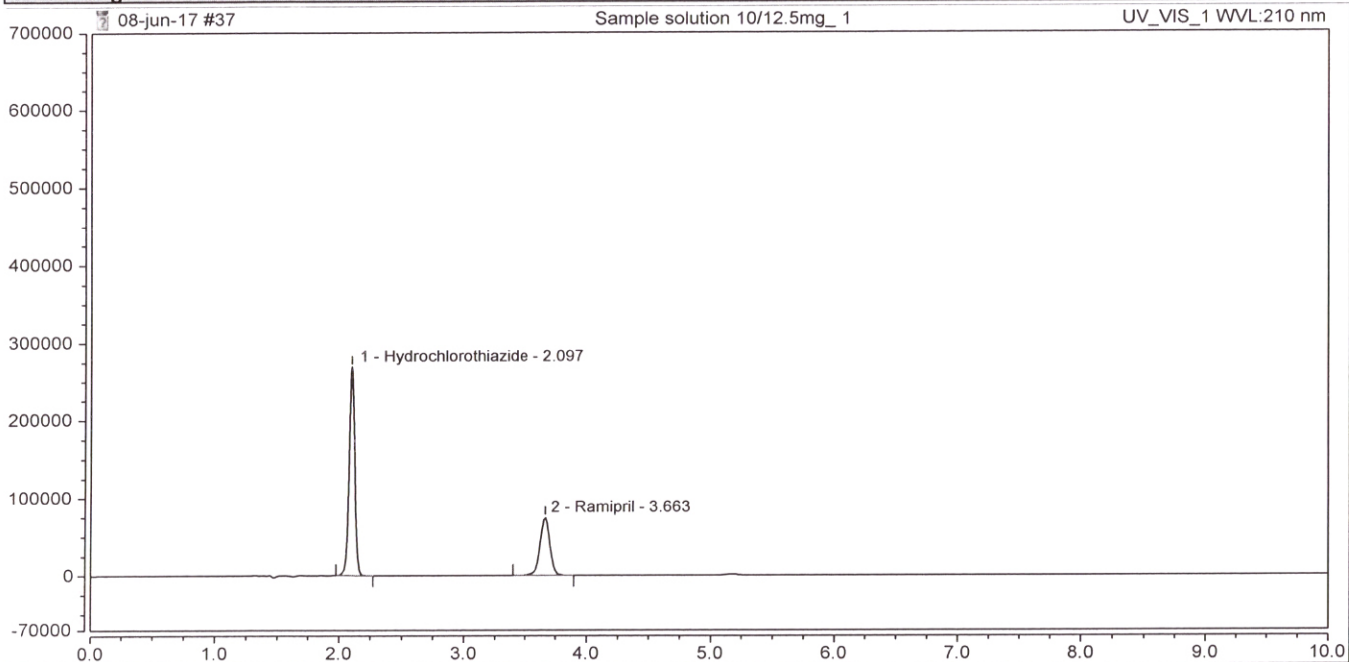
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Sample solution 10/12.5mg_1
Vial Number: BC5
Injection Type: Unknown
Instrument Method: Ramithiazide Assay- HPLC_ 67
Processing Method: PR Method_ Ramithiazide
Injection Date/Time: 08-Jun-2017 22:46
User Name: niteen gapat

Run Time (min): 10.00
Injection Volume: 10.00
Channel: UV_VIS_1
Wavelength: 210
Instrument Name: QbD-INST-HPLC-67
Sequence Name: 08-jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	13979.161	n.a.	1.07	10862
2	Ramipril	3.66	6902.898	n.a.	0.97	10448
Total:			20882.059	0.00		

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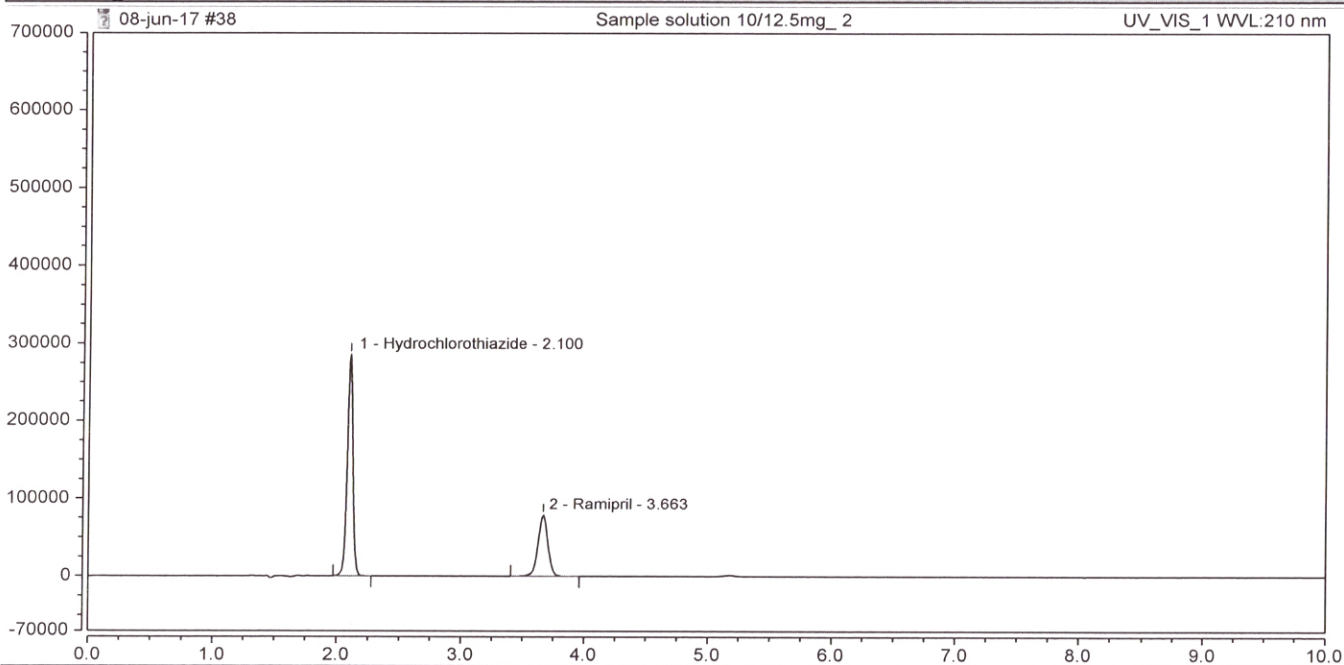
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Sample solution 10/12.5mg_ 2
Vial Number: BC6
Injection Type: Unknown
Instrument Method: Ramithiazide Assay- HPLC_ 67
Processing Method: PR Method_ Ramithiazide
Injection Date/Time: 08-Jun-2017 22:57
User Name: niteen gapat

Run Time (min): 10.00
Injection Volume: 10.00
Channel: UV_VIS_1
Wavelength: 210
Instrument Name: QbD-INST-HPLC-67
Sequence Name: 08-jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	14777.095	n.a.	1.01	10936
2	Ramipril	3.66	7296.229	n.a.	0.98	10520
Total:			22073.324	0.00		

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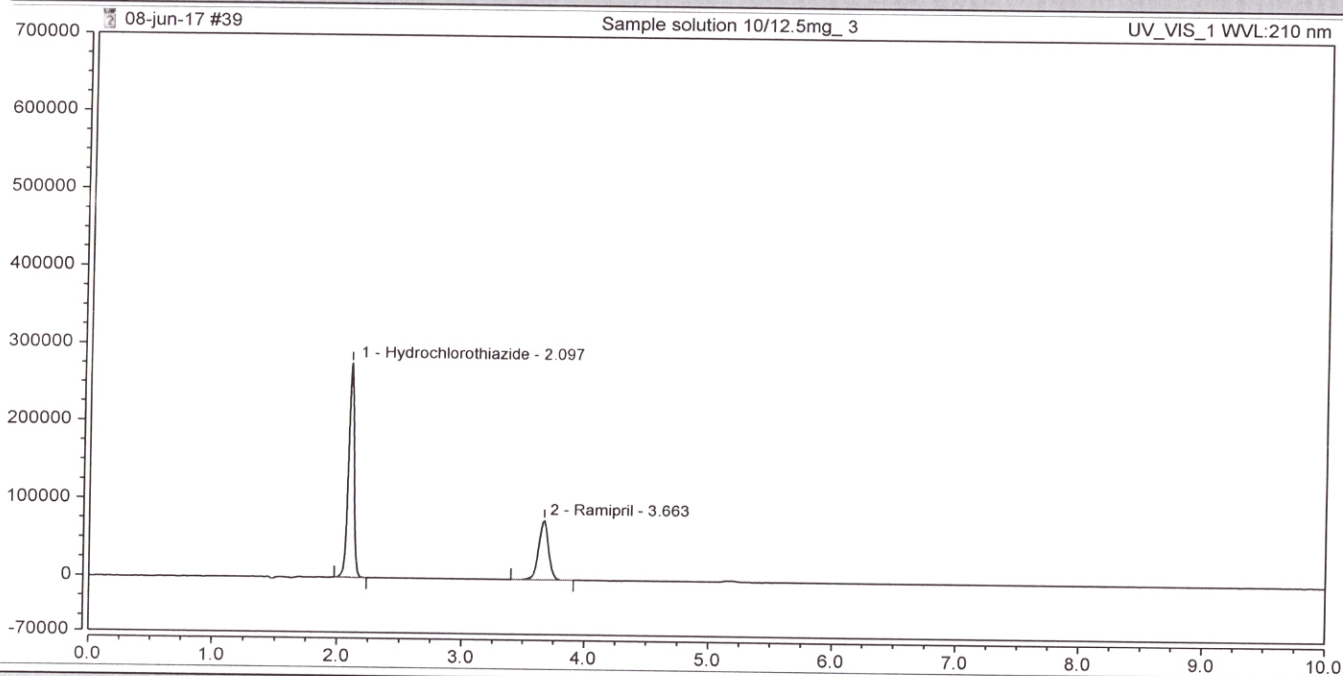
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24-Jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/12.5mg_3	Run Time (min):	10.00
Vial Number:	BC7	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 23:09	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	14296.125	n.a.	1.06	10962
2	Ramipril	3.66	7057.916	n.a.	0.96	10523
Total:			21354.041	0.00		

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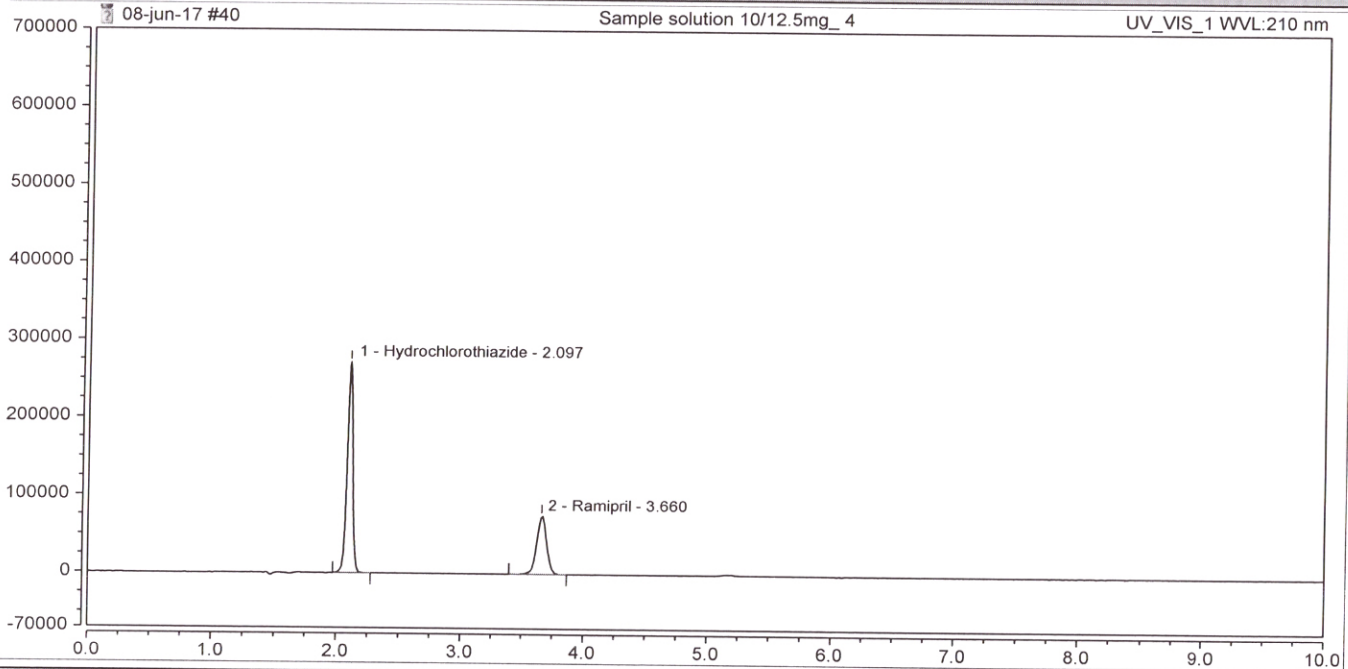
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Injection Details

Injection Name:	Sample solution 10/12.5mg_ 4	Run Time (min):	10.00
Vial Number:	BC8	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 23:21	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	14110.117	n.a.	1.06	10885
2	Ramipril	3.66	6959.222	n.a.	0.99	10472
Total:			21069.339	0.00		

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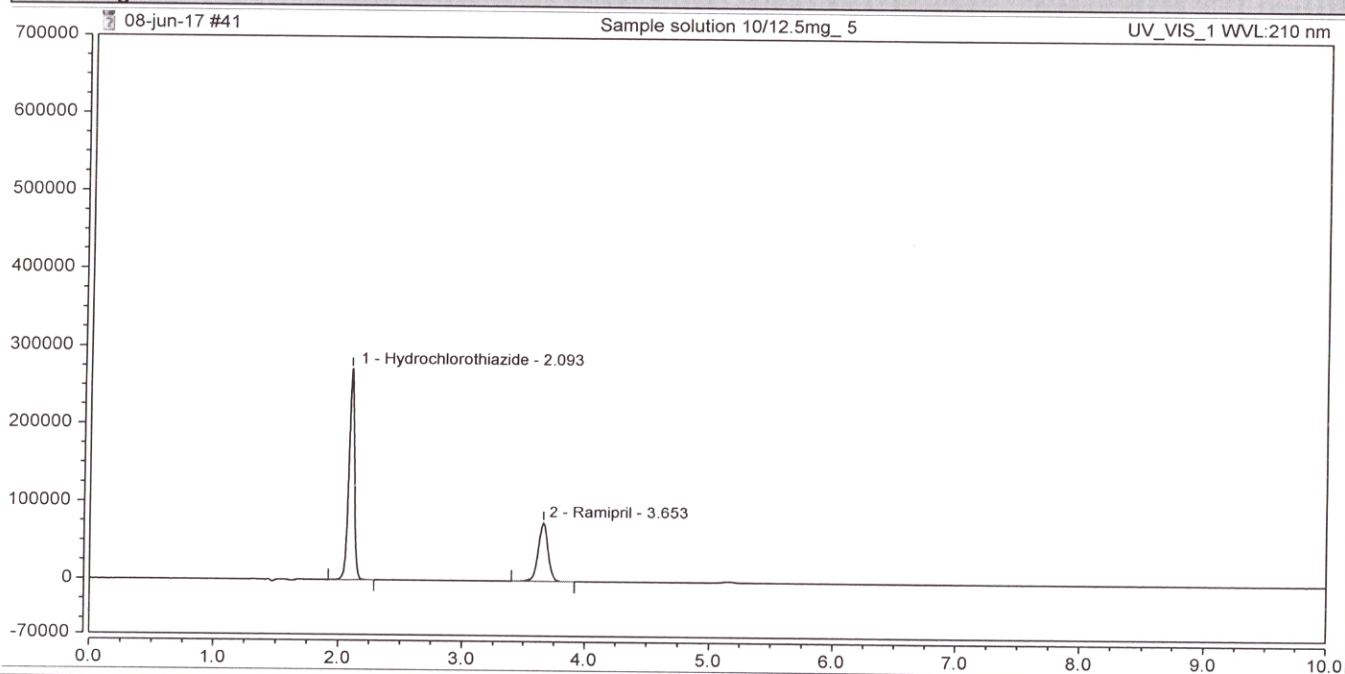
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24-jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/12.5mg_ 5	Run Time (min):	10.00
Vial Number:	BD1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 23:33	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.09	14161.119	n.a.	1.07	10861
2	Ramipril	3.65	6957.830	n.a.	0.99	10545
Total:			21118.950	0.00		

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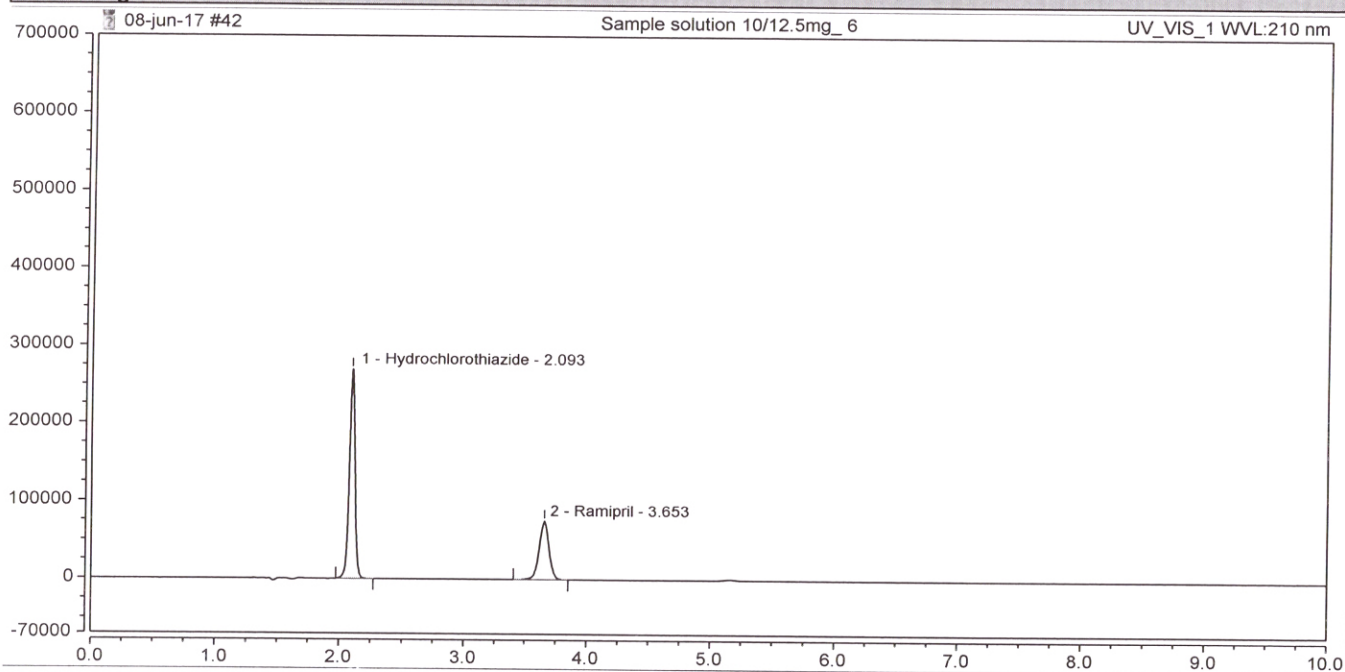
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Injection Details

Injection Name:	Sample solution 10/12.5mg_ 6	Run Time (min):	10.00
Vial Number:	BD2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	08-Jun-2017 23:44	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.09	13971.434	n.a.	1.06	10901
2	Ramipril	3.65	6884.103	n.a.	0.99	10560
Total:			20855.537	0.00		

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Assay Validation Rep_01/Integration

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24-Jun-17

Chromleon (c) Dionex
Version 7.2.4.8525

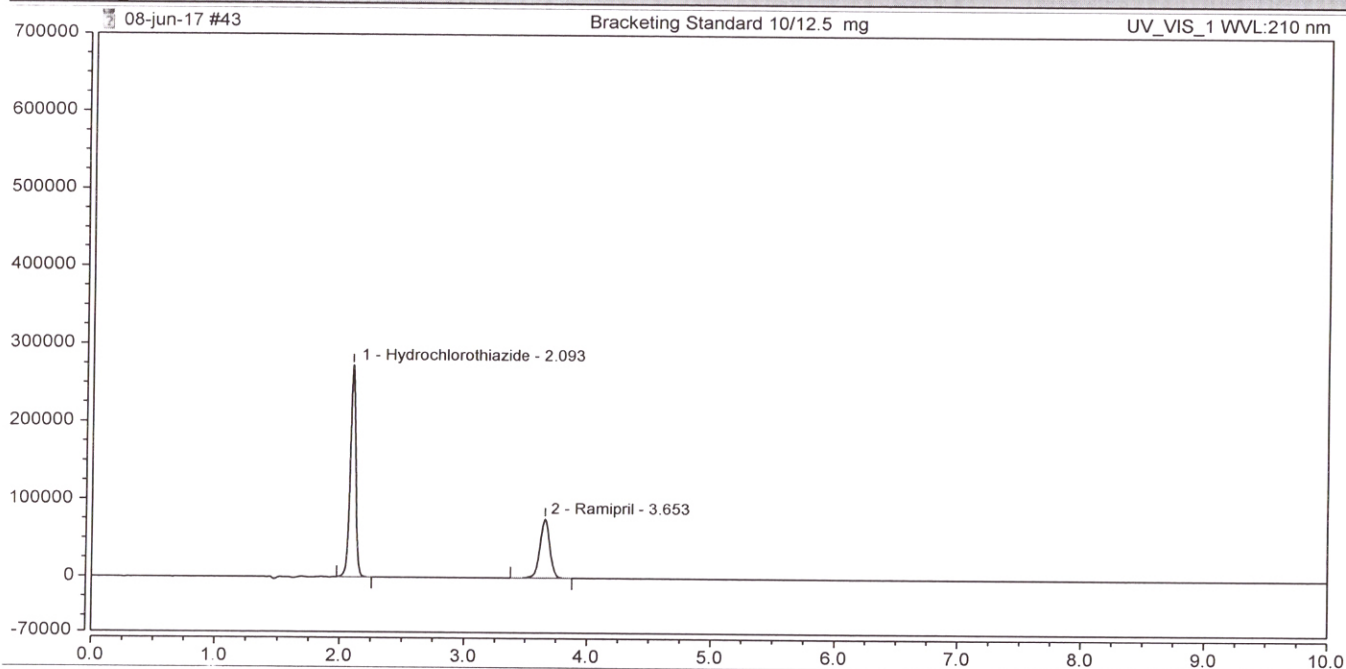
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Bracketing Standard 10/12.5 mg
Vial Number: BA3
Injection Type: Unknown
Instrument Method: Ramithiazide Assay- HPLC_ 67
Processing Method: PR Method_ Ramithiazide
Injection Date/Time: 08-Jun-2017 23:56
User Name: niteen gapat

Run Time (min): 10.00
Injection Volume: 10.00
Channel: UV_VIS_1
Wavelength: 210
Instrument Name: QbD-INST-HPLC-67
Sequence Name: 08-jun-17

Chromatogram



Integration Results

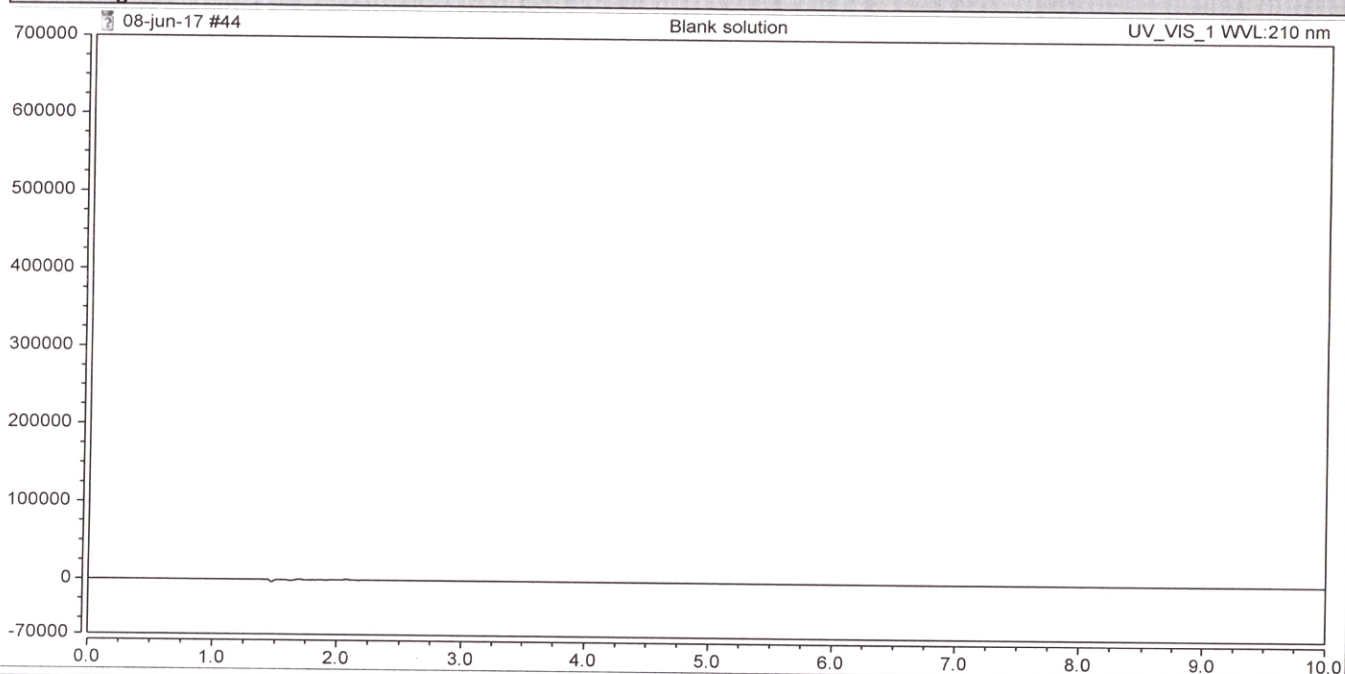
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.09	14145.094	n.a.	1.06	10885
2	Ramipril	3.65	7004.291	n.a.	0.99	10564
Total:			21149.386	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 00:08	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

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Assay Validation Rep_01/Integration

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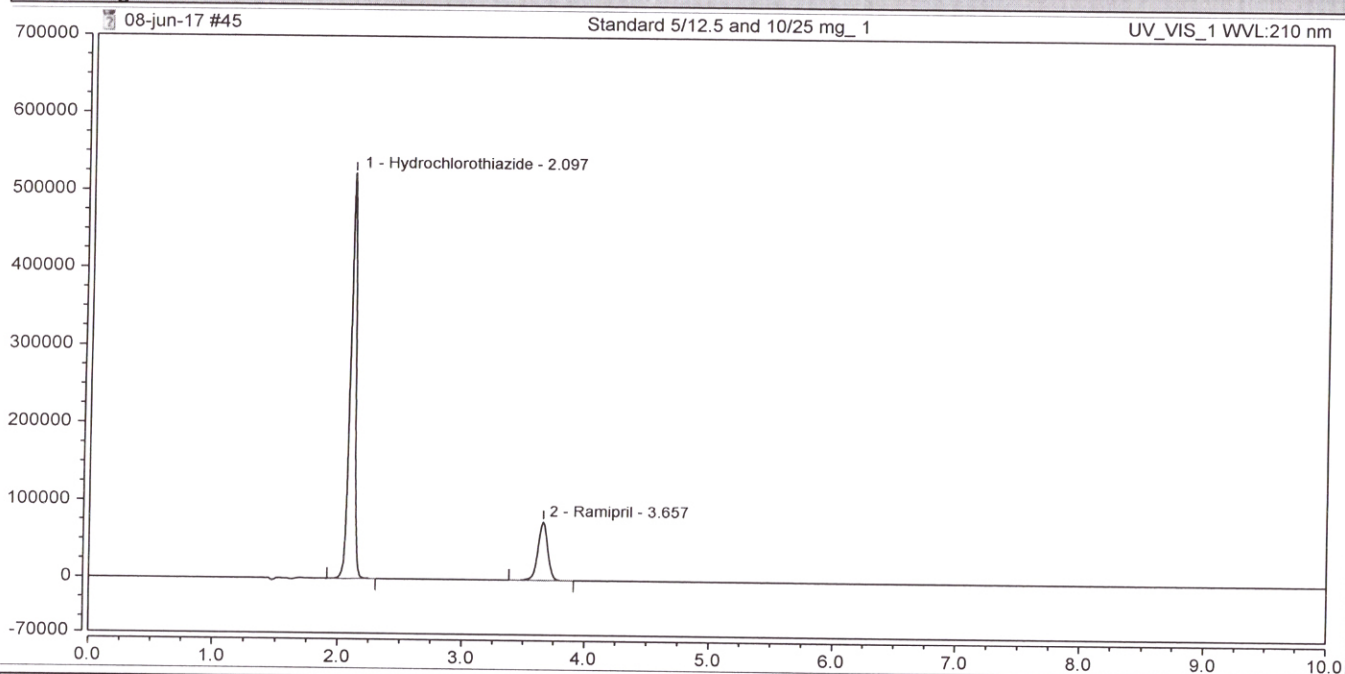
Chromleon (c) Dionex
Version 7.2.4.8525

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 1	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 00:20	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

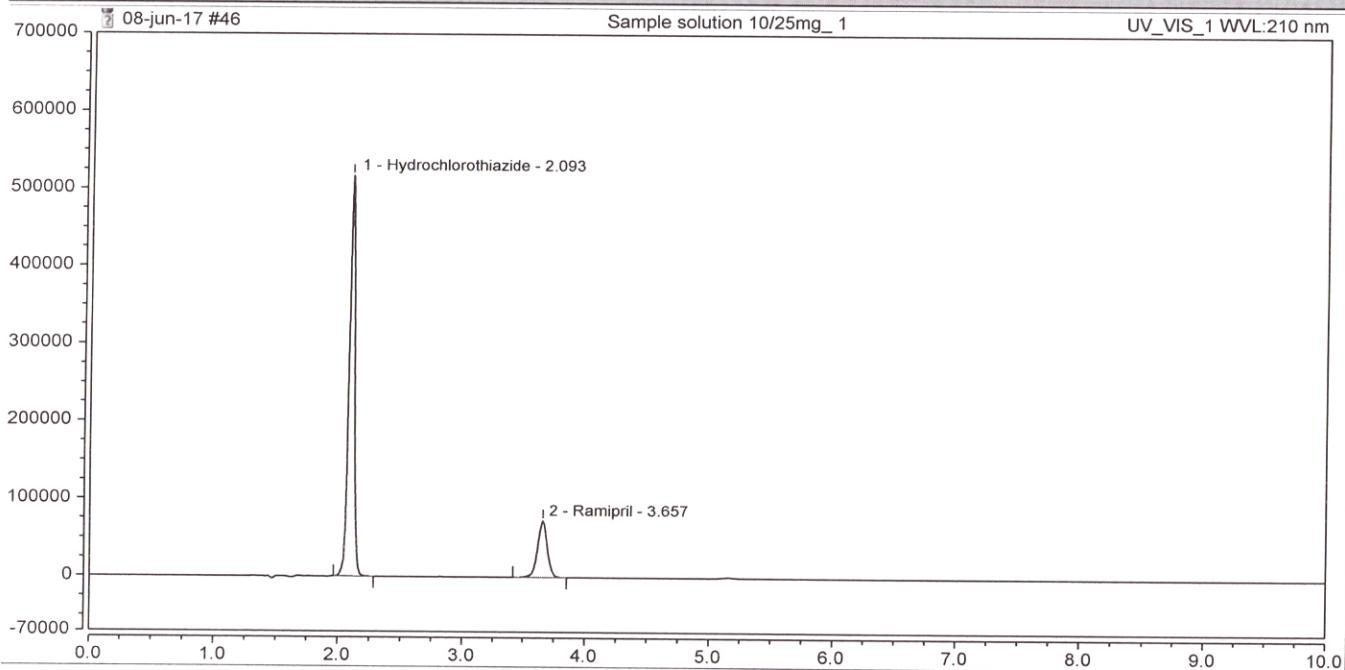
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27272.086	n.a.	1.01	10819
2	Ramipril	3.66	6969.910	n.a.	0.96	10578
Total:			34241.995	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_1	Run Time (min):	10.00
Vial Number:	BA7	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 00:31	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.09	26774.333	n.a.	1.06	10916
2	Ramipril	3.66	6684.338	n.a.	0.96	10608
Total:			33458.671	0.00		

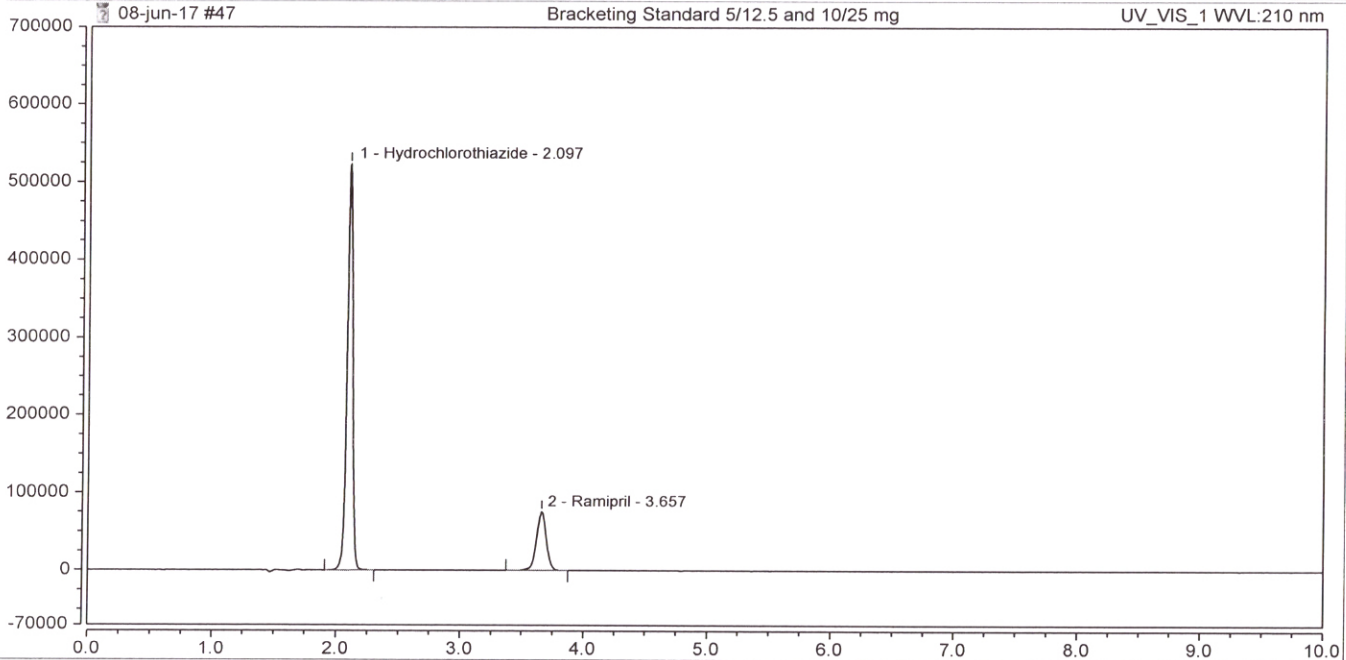
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QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Bracketing Standard 5/12.5 and 10/25 mg	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 00:43	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27274.381	n.a.	1.01	10822
2	Ramipril	3.66	6960.667	n.a.	0.97	10607
Total:			34235.049	0.00		

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23-Jun-17

Assay Validation Rep_01/Integration

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23-Jun-17

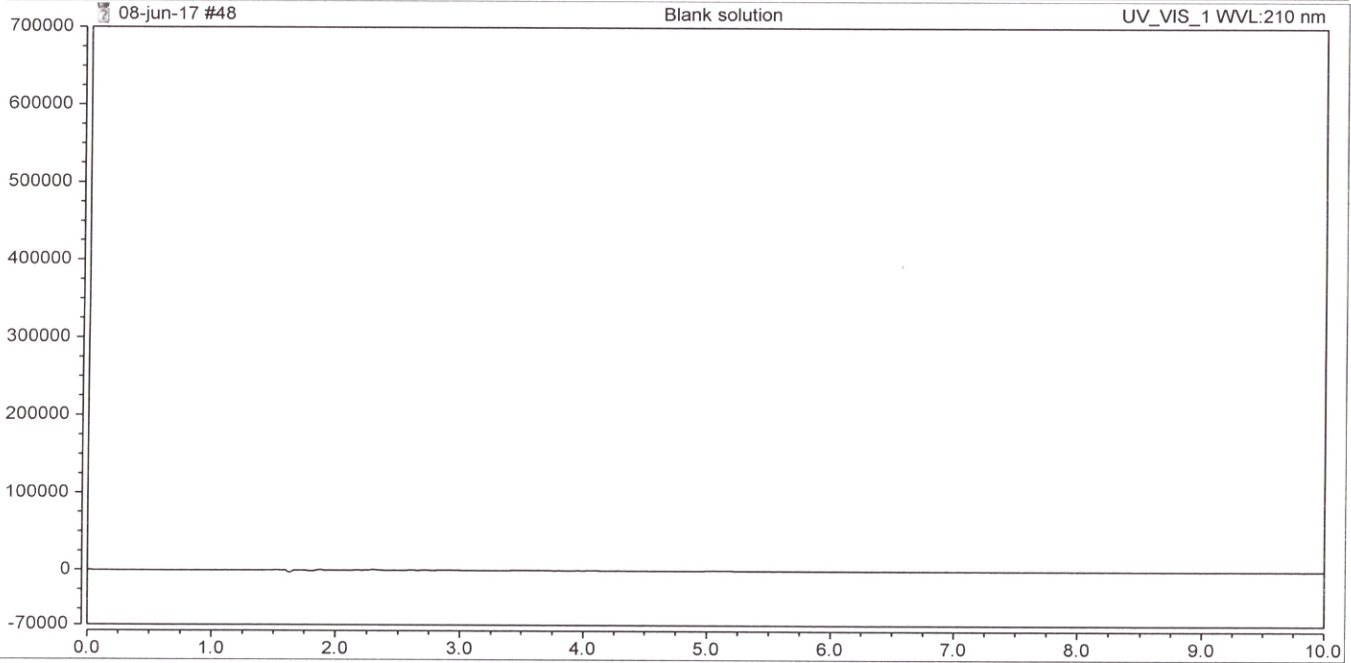
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (-) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-1	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 00:55	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

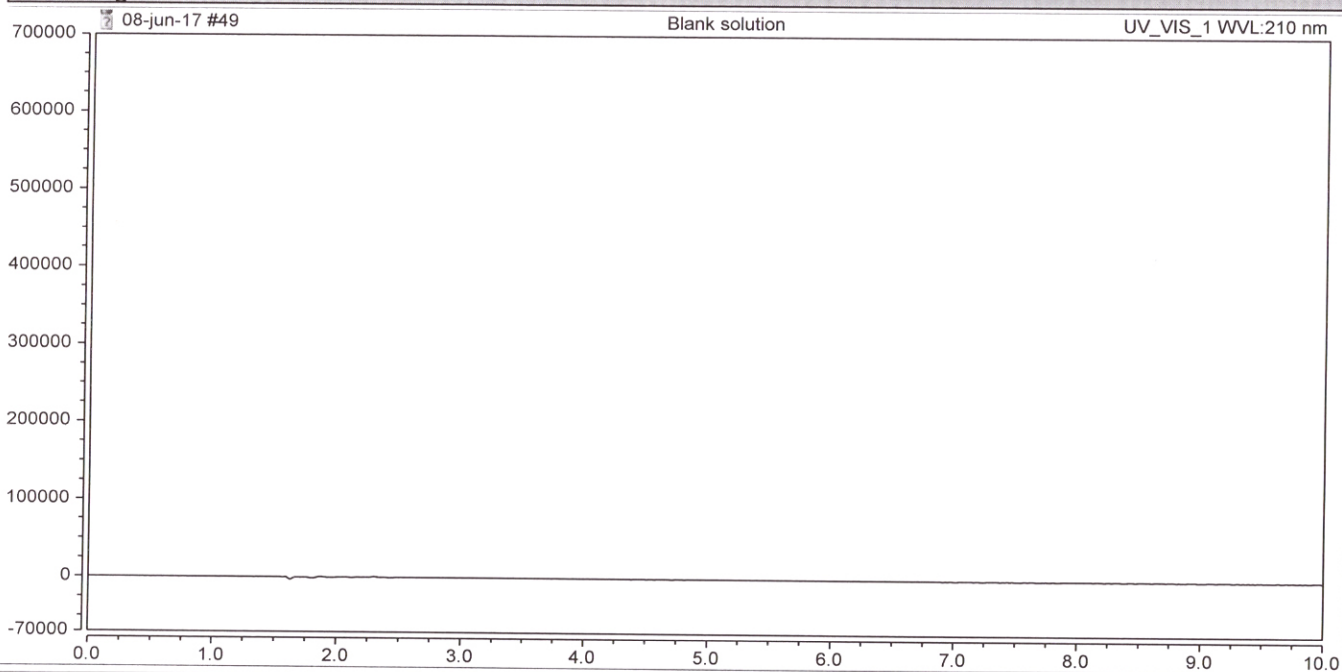
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (-) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-1	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 01:07	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

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23-jun-17

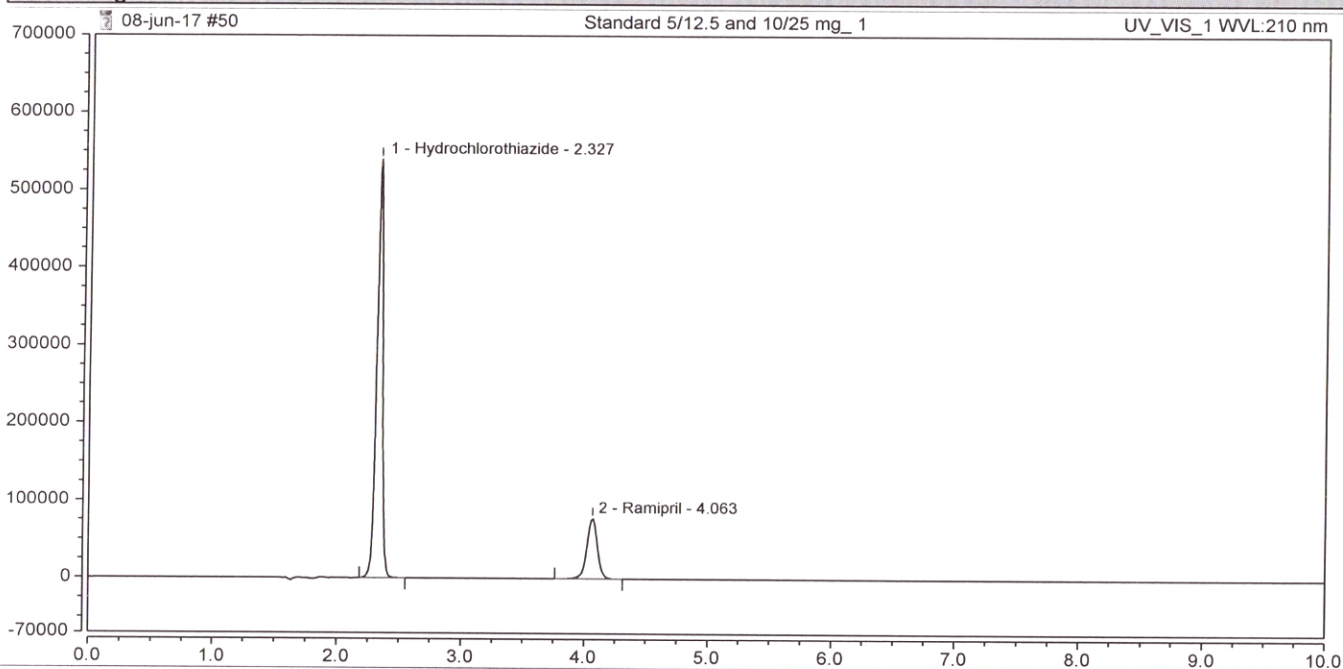
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24-jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 1	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (-) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-1	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 01:19	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.33	30229.192	n.a.	1.02	11488
2	Ramipril	4.06	7744.230	n.a.	0.96	11245
Total:			37973.422	0.00		

Geo
23-jun-17

Assay Validation Rep_01/Integration

Geo
23-jun-17

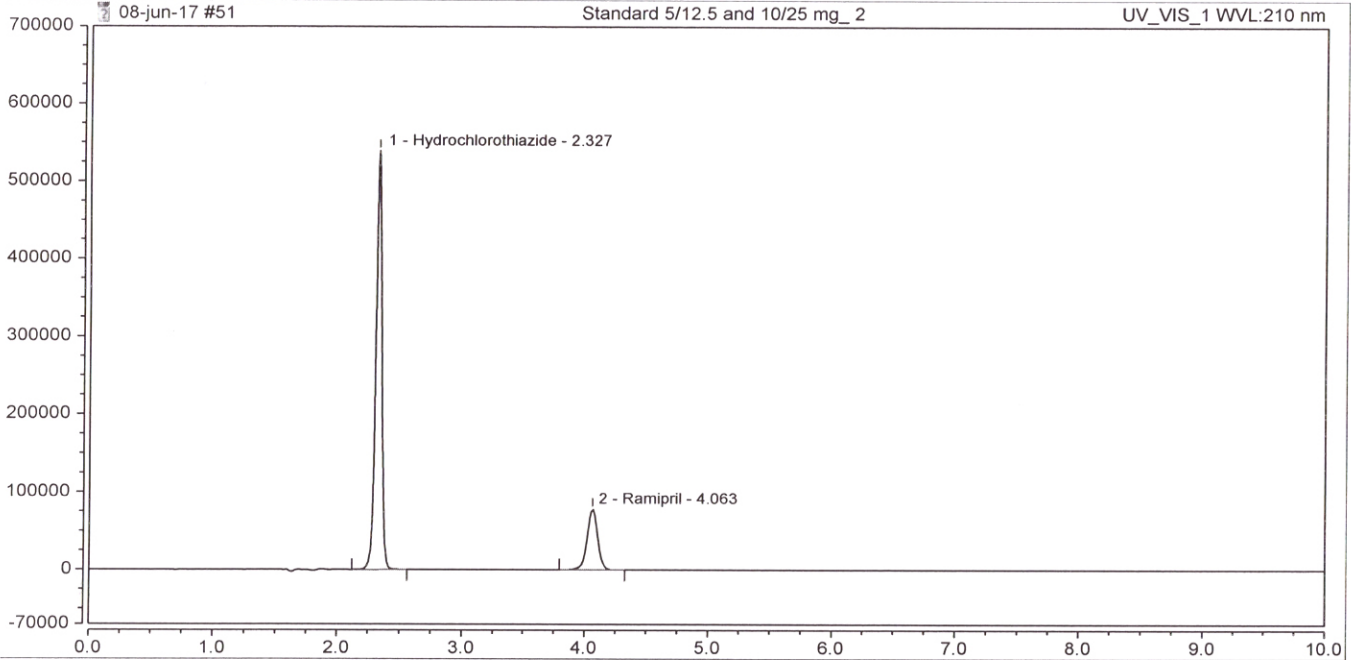
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 2	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (-) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-1	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 01:30	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.33	30311.813	n.a.	1.03	11449
2	Ramipril	4.06	7740.207	n.a.	0.97	11231
Total:			38052.020	0.00		

23/6/17

Assay Validation Rep_01/Integration

24/6/17

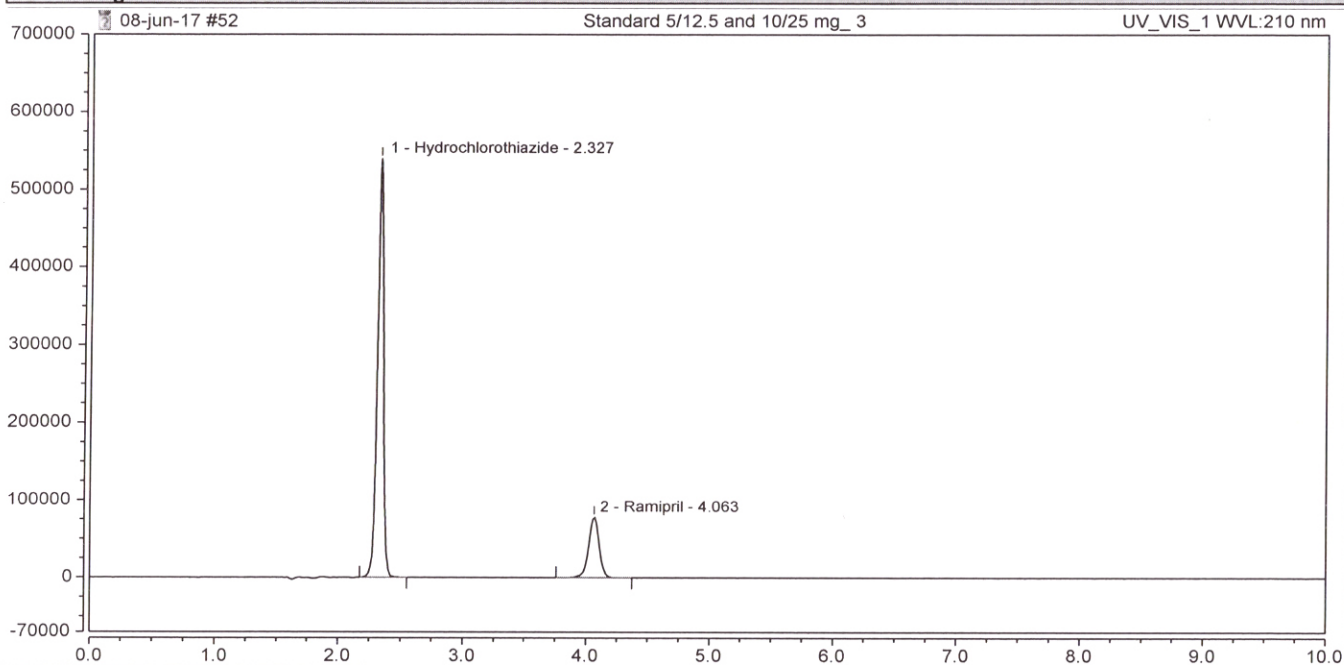
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 3	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (-) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-1	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 01:42	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

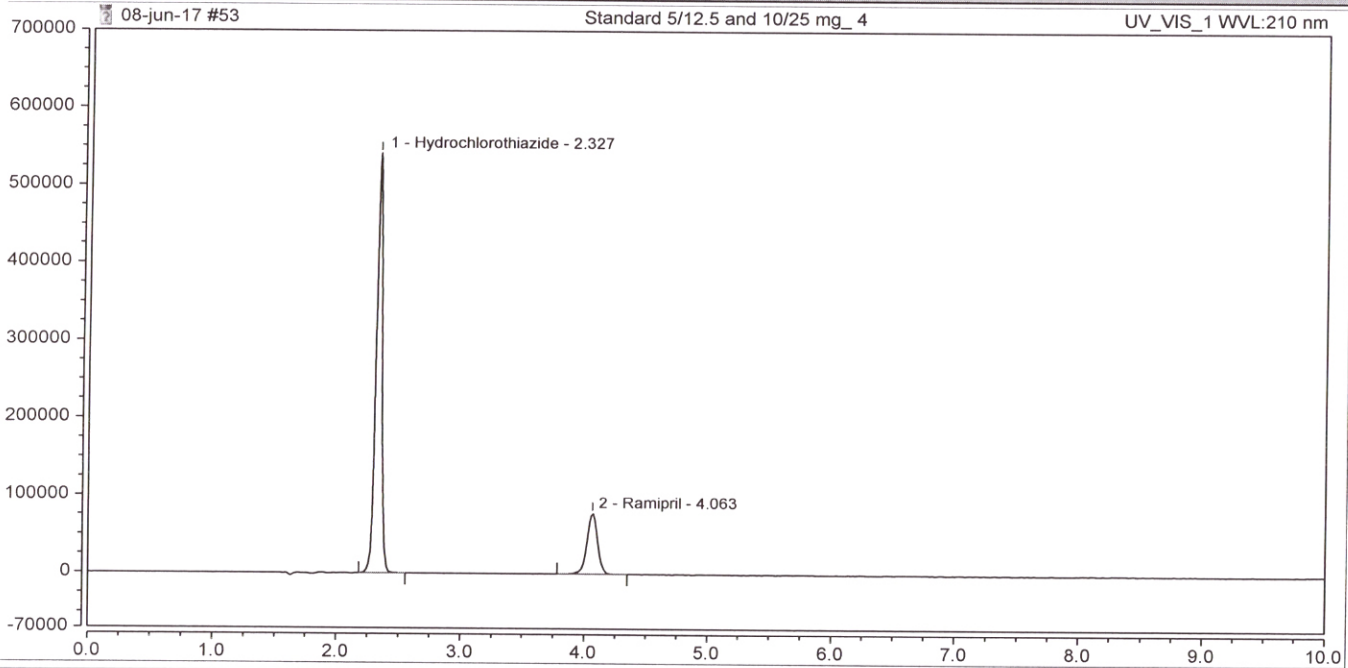
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.33	30263.539	n.a.	1.03	11466
2	Ramipril	4.06	7765.571	n.a.	0.97	11231
Total:			38029.110	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 4	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (-) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-1	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 01:54	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

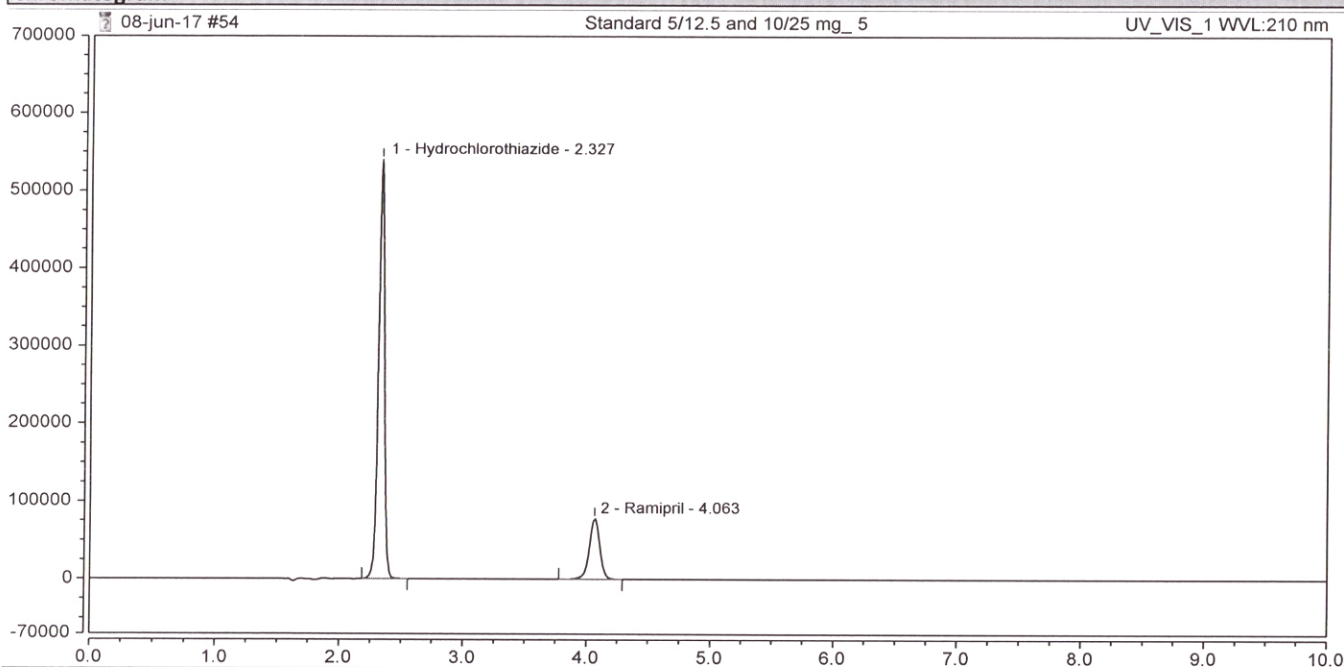
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.33	30271.327	n.a.	1.02	11517
2	Ramipril	4.06	7756.628	n.a.	0.97	11236
Total:			38027.955	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 5	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (-) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-1	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 02:06	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

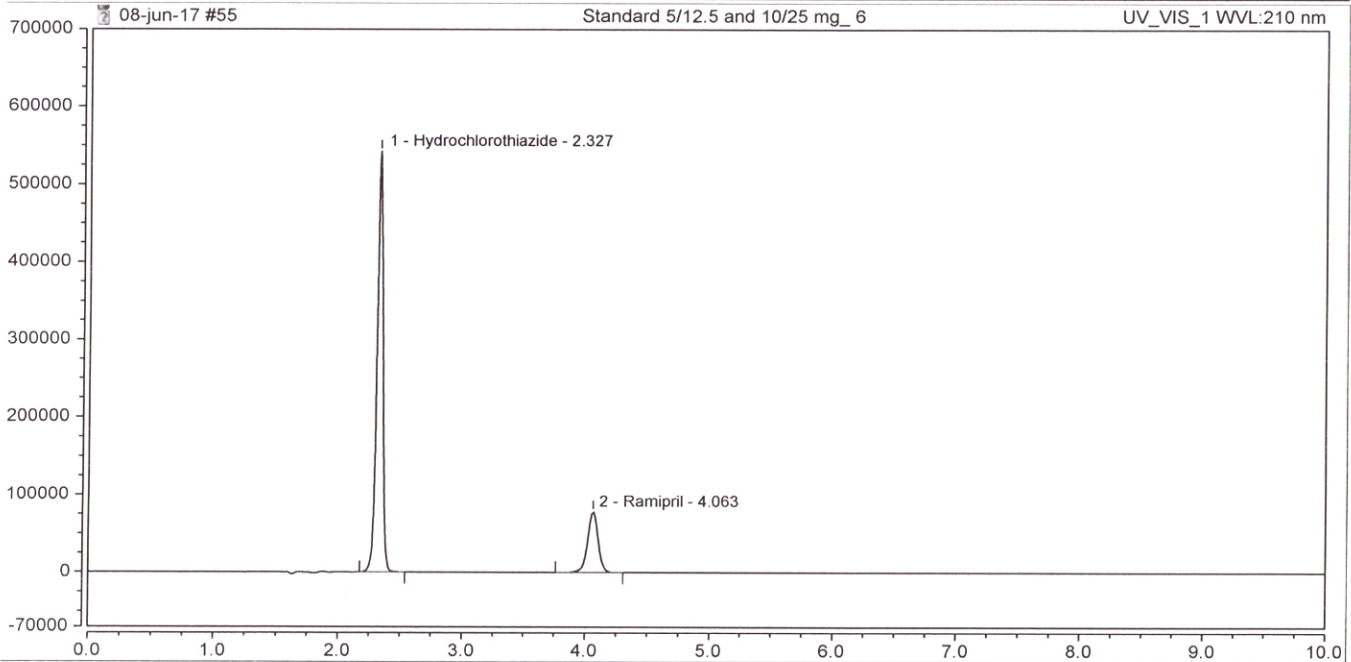
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.33	30244.072	n.a.	1.03	11491
2	Ramipril	4.06	7738.998	n.a.	0.97	11244
Total:			37983.070	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_6	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (-) flow HPLC_67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-1	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 02:17	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.33	30304.484	n.a.	1.02	11532
2	Ramipril	4.06	7767.194	n.a.	0.96	11282
Total:			38071.678	0.00		

Cap
23-jun-17

Assay Validation Rep_01/Integration

QbD
23-jun-17

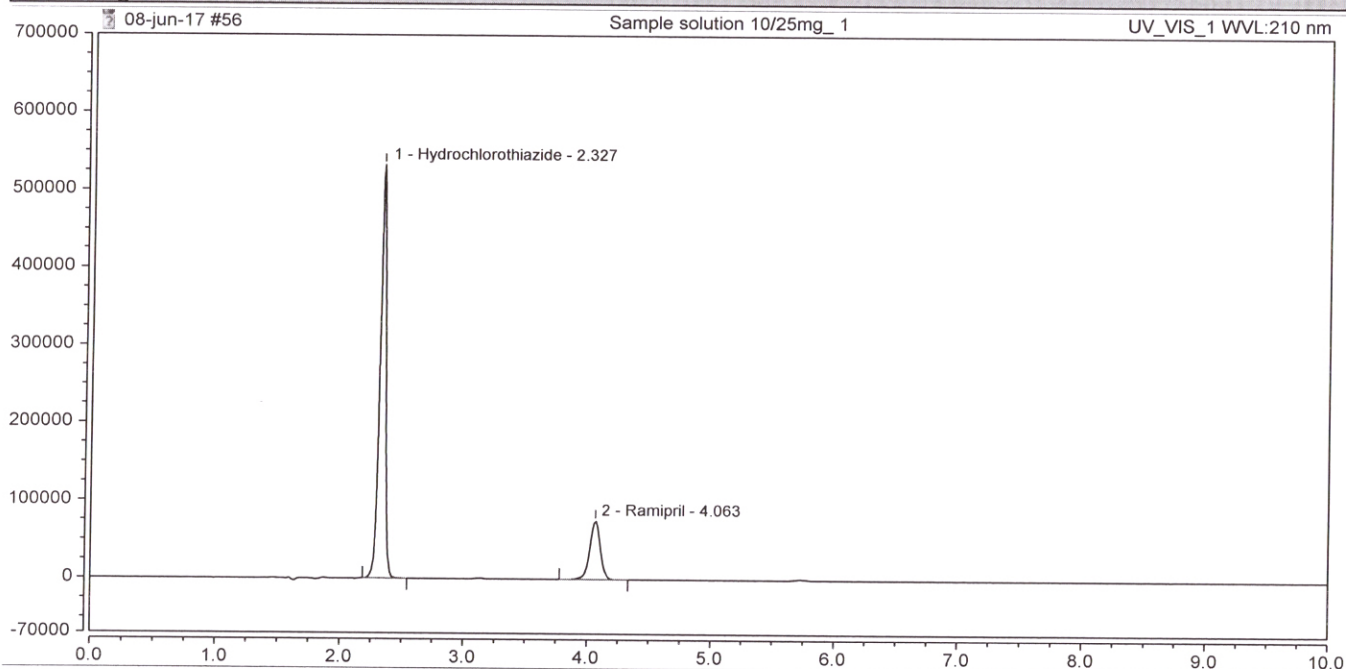
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_1	Run Time (min):	10.00
Vial Number:	BA7	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (-) flow HPLC_67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-1	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 02:29	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.33	29781.177	n.a.	1.01	11519
2	Ramipril	4.06	7459.448	n.a.	0.96	11234
Total:			37240.625	0.00		

QbD
29-Jun-17

Assay Validation Rep_01/Integration

QbD
29-Jun-17

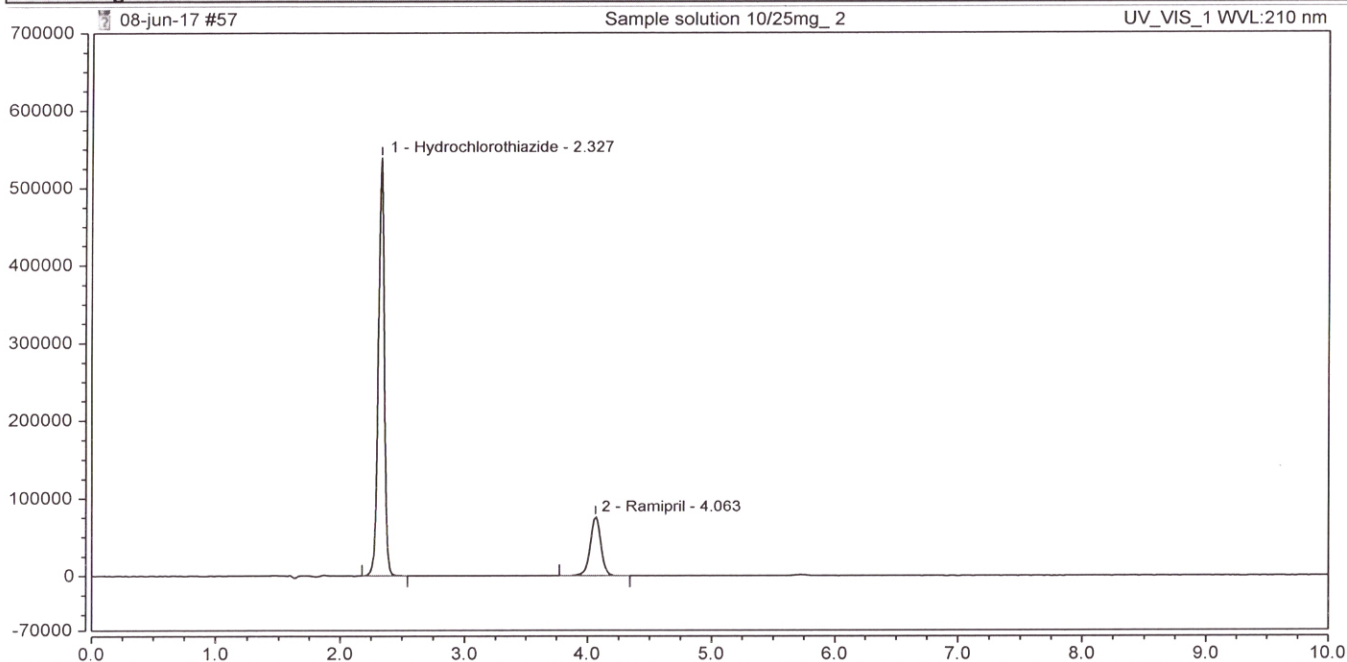
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_2	Run Time (min):	10.00
Vial Number:	BA8	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (-) flow HPLC_67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-1	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 02:41	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

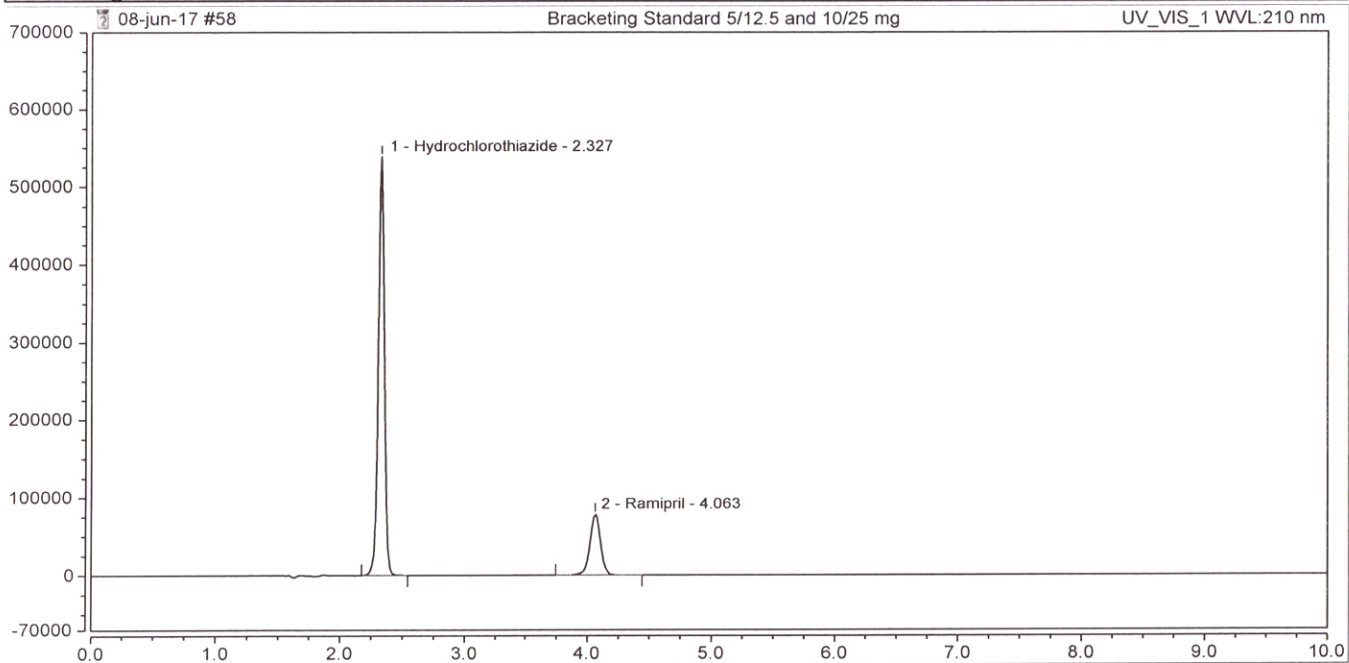
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.33	30296.781	n.a.	1.03	11403
2	Ramipril	4.06	7524.954	n.a.	0.97	11186
Total:			37821.735	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Bracketing Standard 5/12.5 and 10/25 mg	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (-) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-1	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 02:53	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

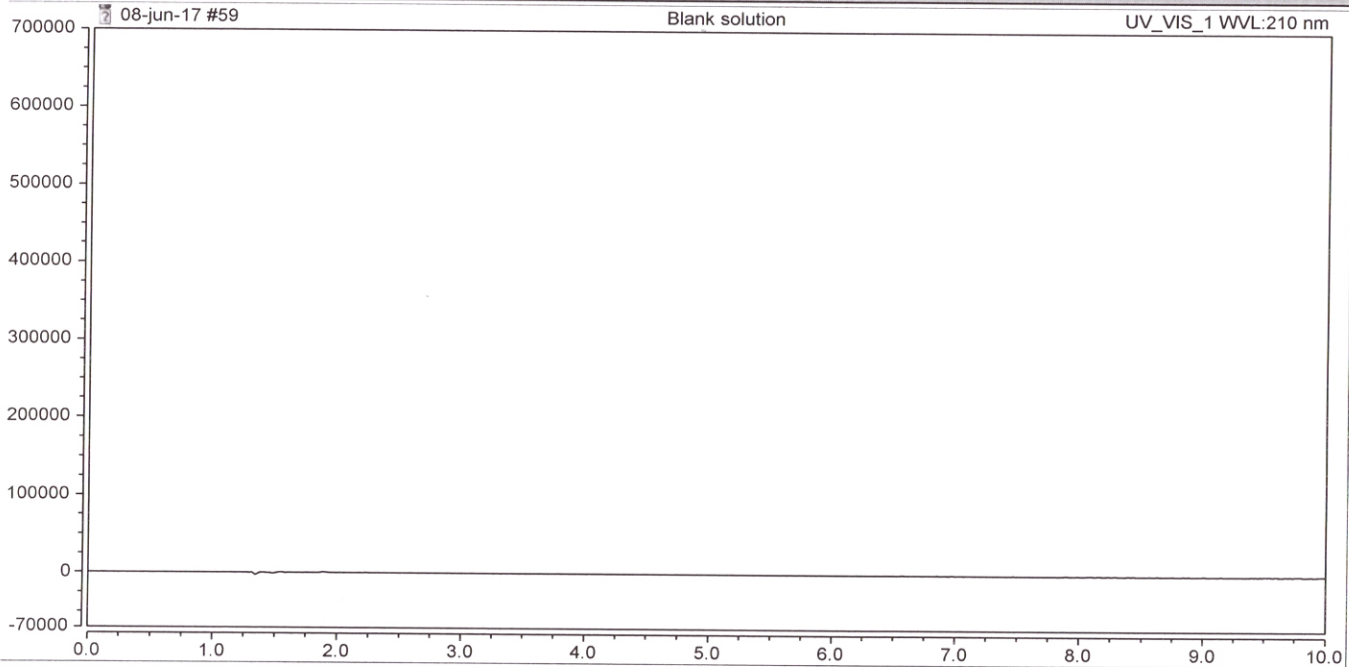
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.33	30254.171	n.a.	1.03	11414
2	Ramipril	4.06	7764.825	n.a.	0.98	11197
Total:			38018.996	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (+) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-2	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 03:05	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

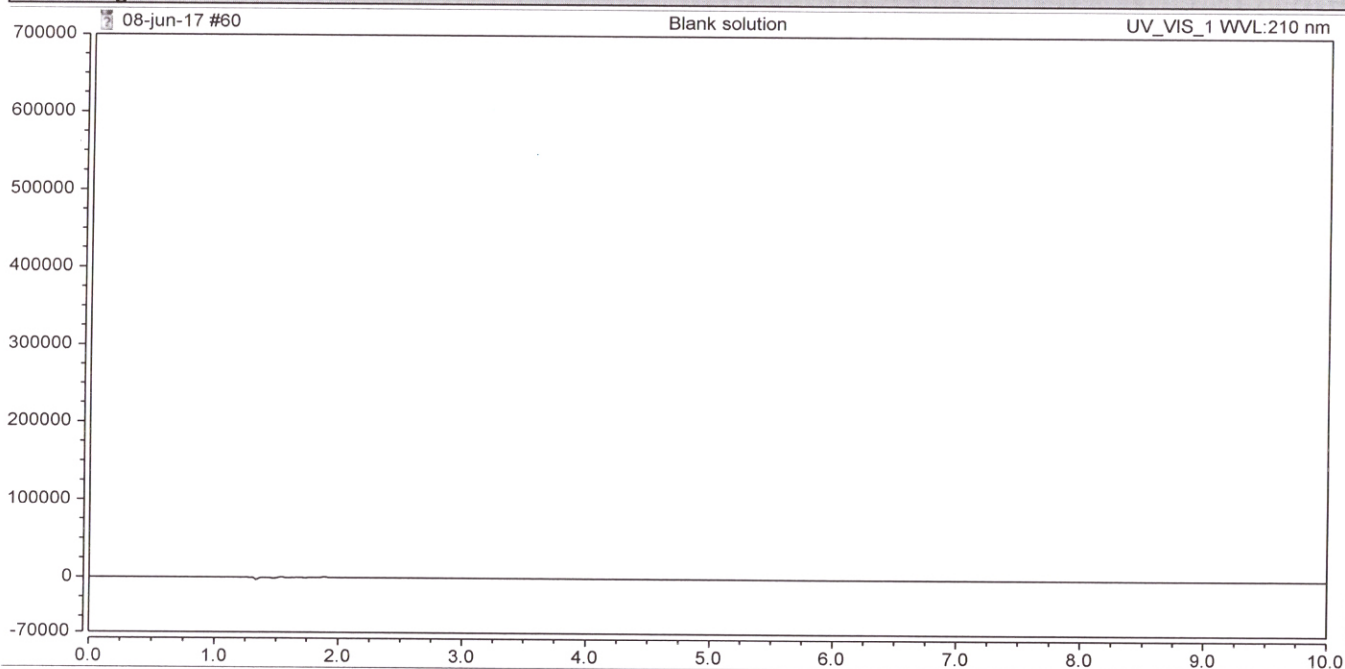
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (+) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-2	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 03:16	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

612
23-jun-17

Assay Validation Rep_01/Integration

QbD
24-jun-17

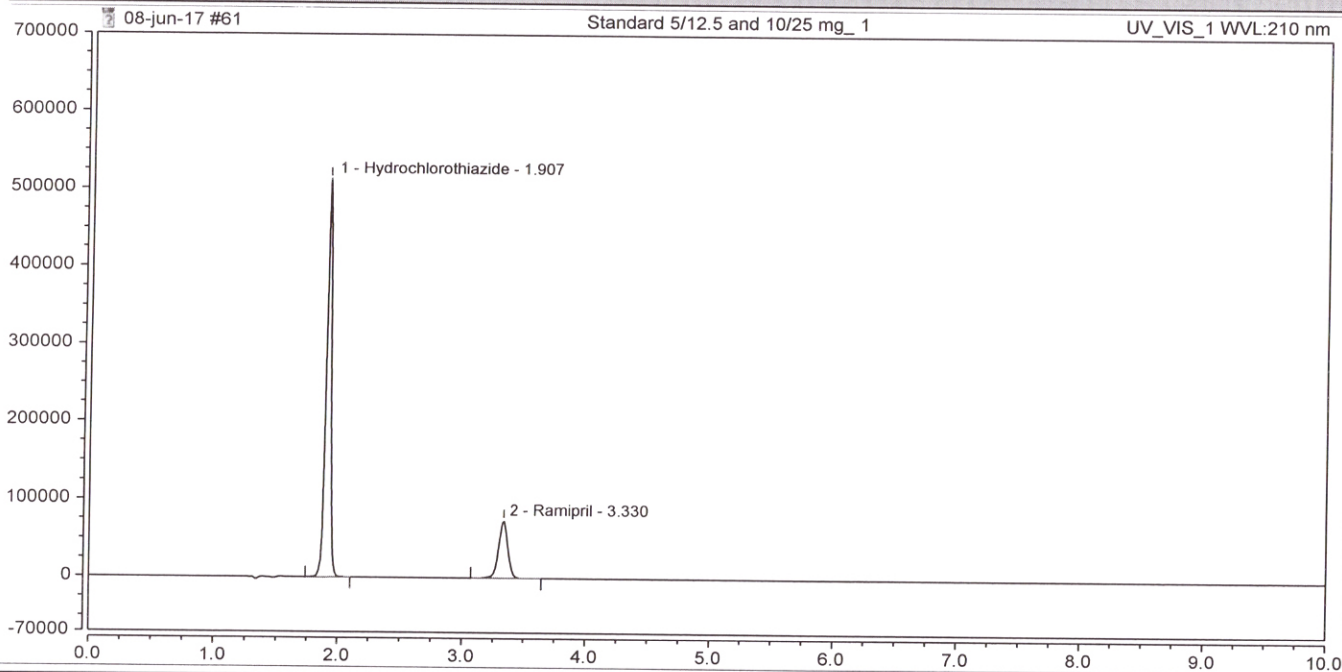
Chromleon (c) Dionex
Version 7.2.4.8525

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 1	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (+) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-2	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 03:28	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

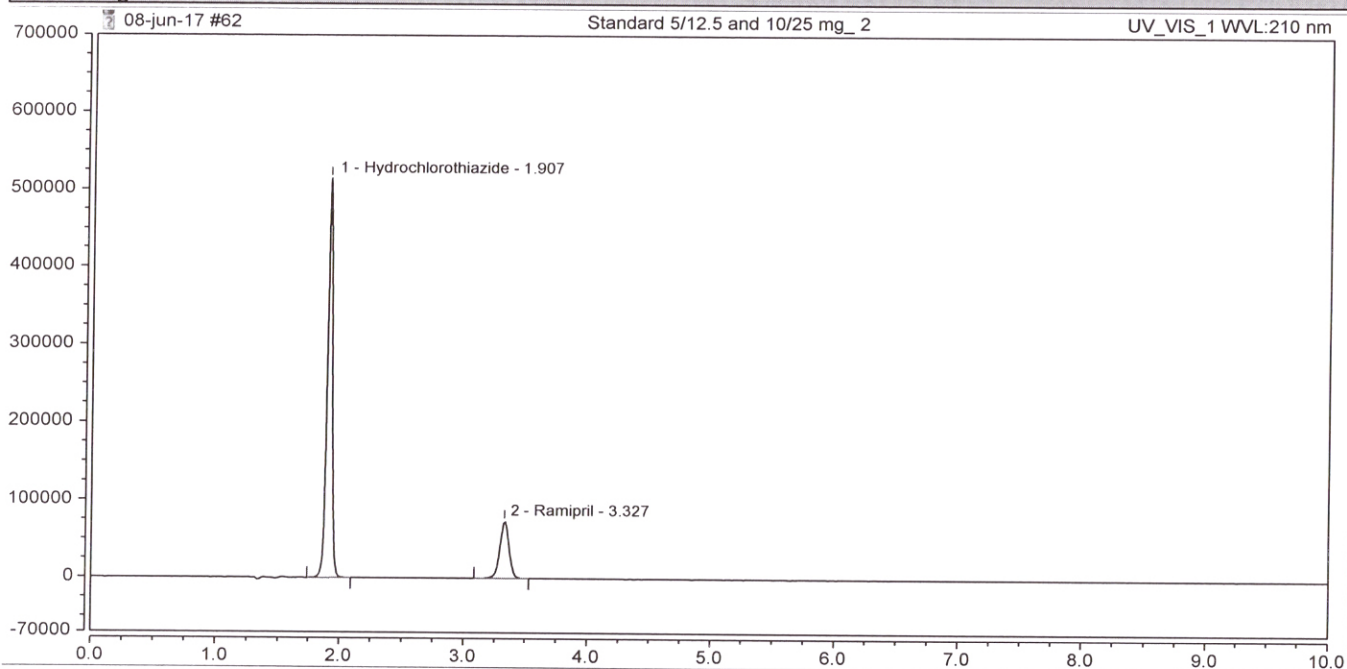
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	1.91	24881.575	n.a.	1.03	10341
2	Ramipril	3.33	6364.499	n.a.	0.95	10098
Total:			31246.074	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 2	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (+) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-2	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 03:40	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

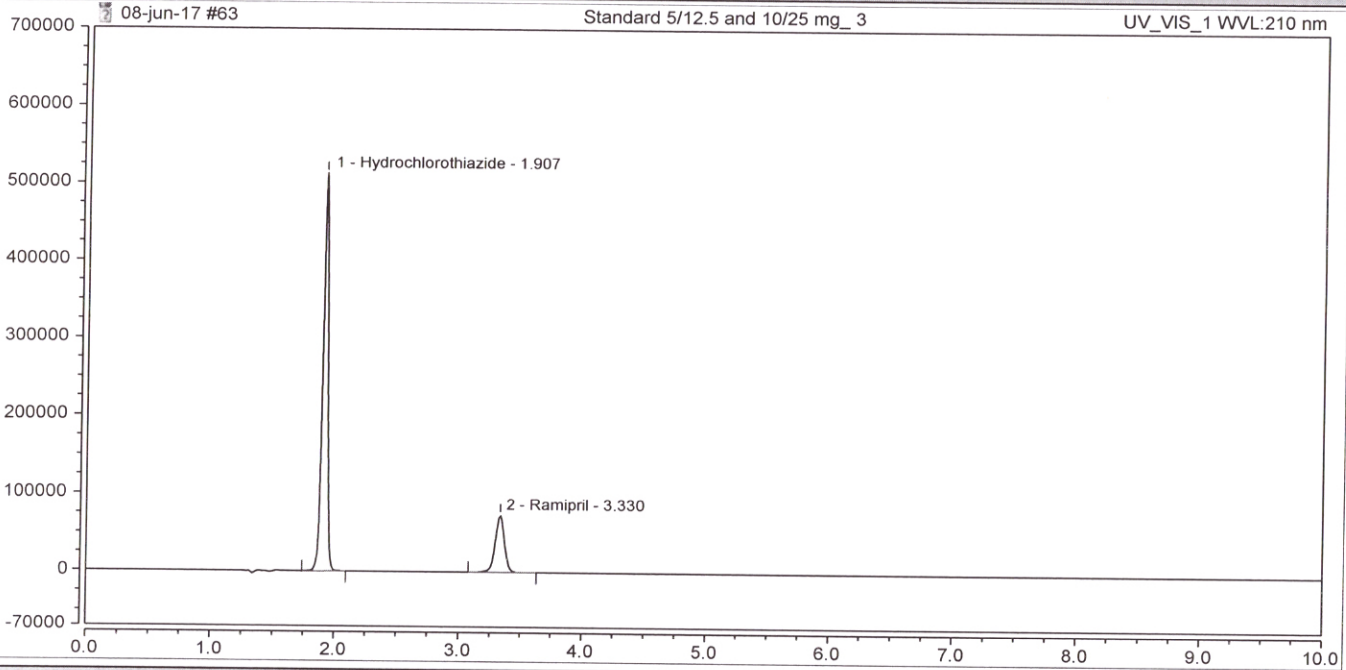
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	1.91	24827.325	n.a.	1.02	10461
2	Ramipril	3.33	6338.488	n.a.	0.99	10123
Total:			31165.813	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 3	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (+) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-2	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 03:52	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

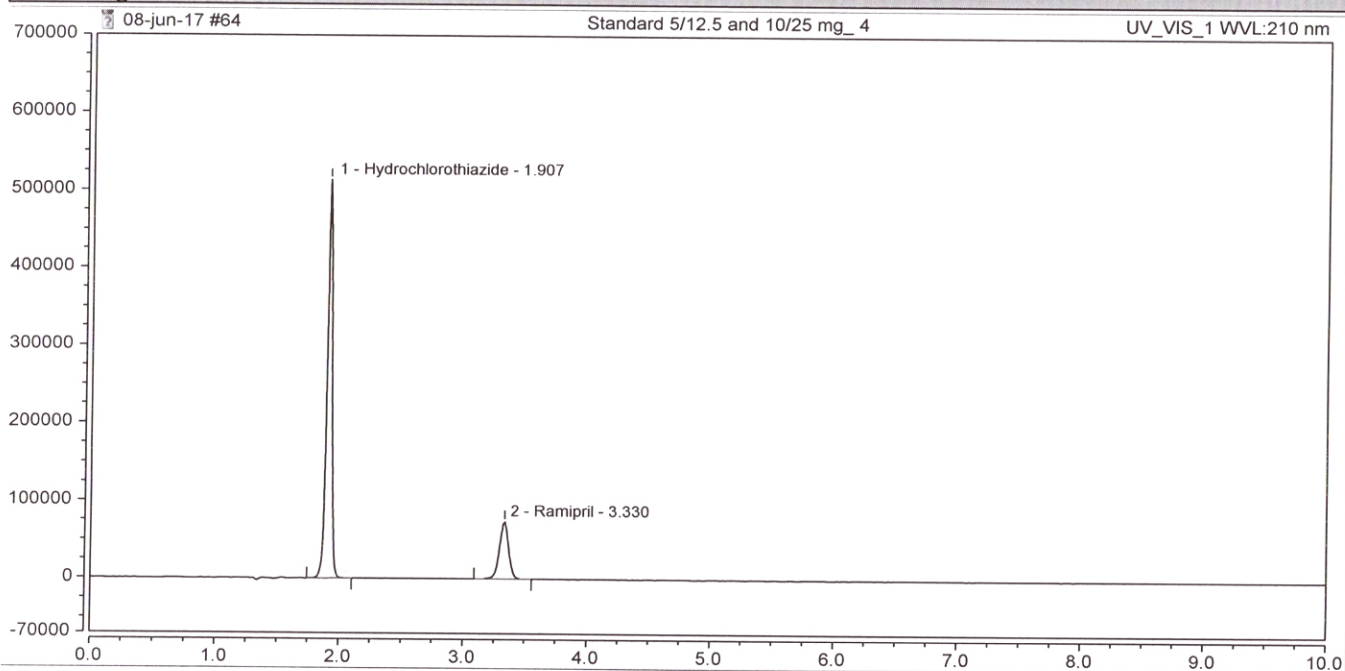
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	1.91	24880.404	n.a.	1.04	10368
2	Ramipril	3.33	6364.102	n.a.	0.96	10104
Total:			31244.506	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 4	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (+) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-2	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 04:03	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	1.91	24861.355	n.a.	1.03	10384
2	Ramipril	3.33	6351.861	n.a.	0.95	10117
Total:			31213.217	0.00		

Ch
23-Jun-17

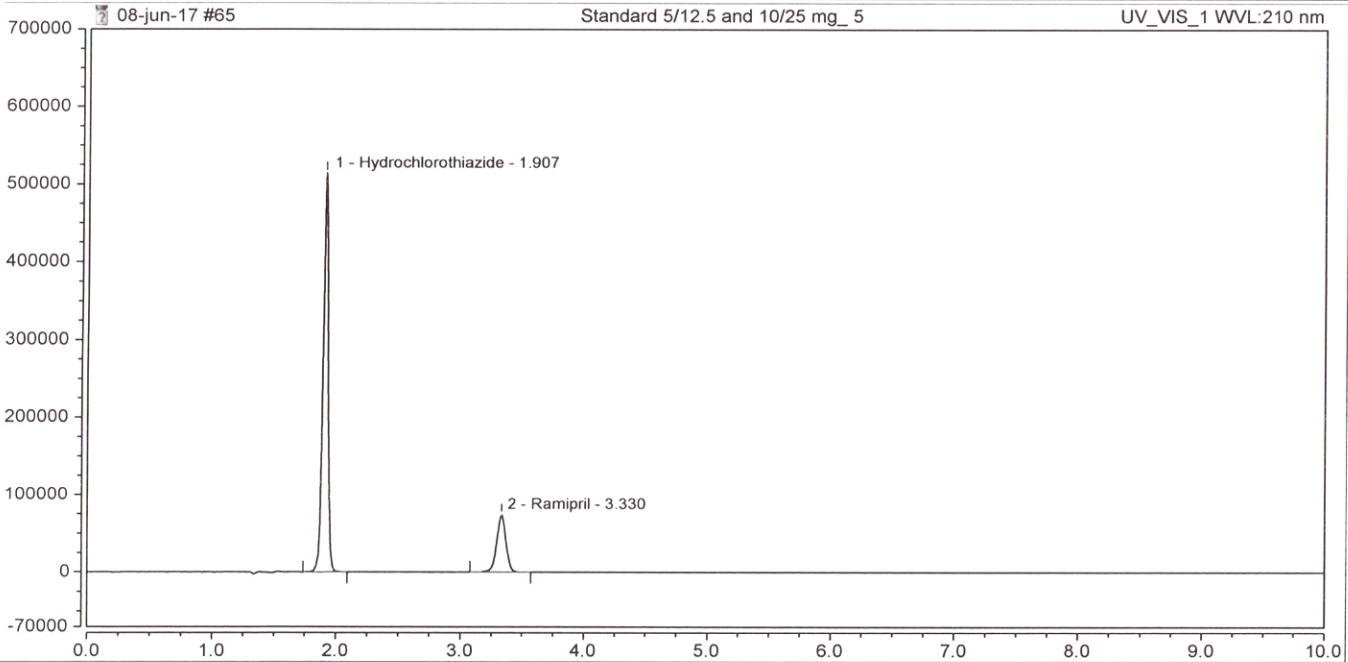
Ch
23-Jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 5	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (+) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-2	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 04:15	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	1.91	24883.074	n.a.	1.04	10388
2	Ramipril	3.33	6361.900	n.a.	0.96	10102
Total:			31244.974	0.00		

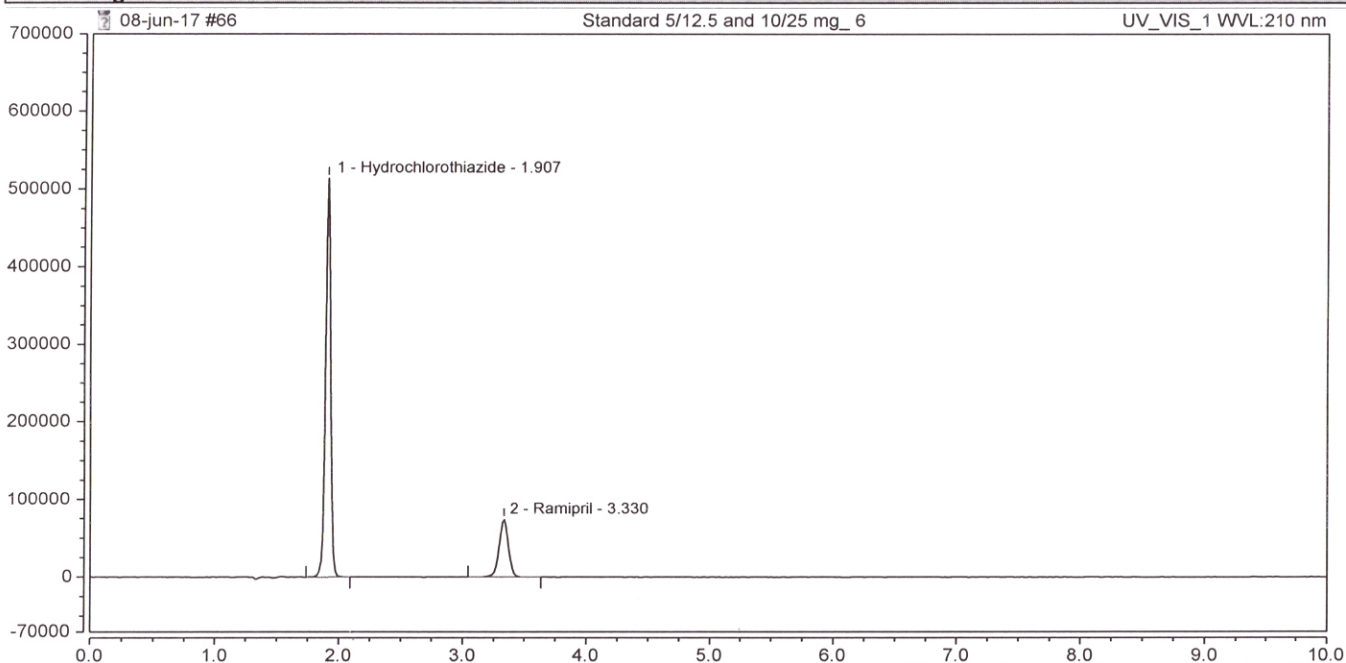
Ge
23-Jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 6	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (+) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-2	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 04:27	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	1.91	24944.586	n.a.	1.05	10323
2	Ramipril	3.33	6379.735	n.a.	0.97	10093
Total:			31324.321	0.00		

GM
23-Jun-17

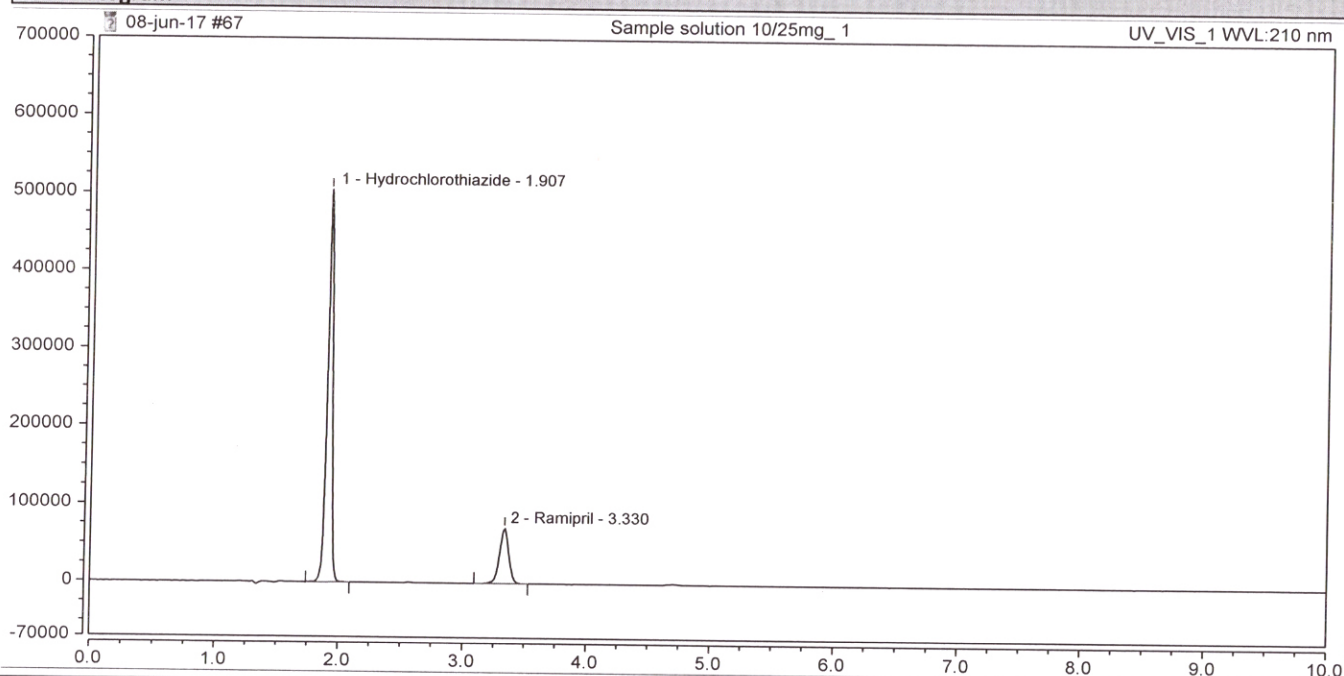
QbD
24-Jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_1	Run Time (min):	10.00
Vial Number:	BA7	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (+) flow HPLC_67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-2	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 04:39	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	1.91	24522.668	n.a.	1.04	10327
2	Ramipril	3.33	6106.071	n.a.	0.97	10084
Total:			30628.740	0.00		

GA
23-jun-17

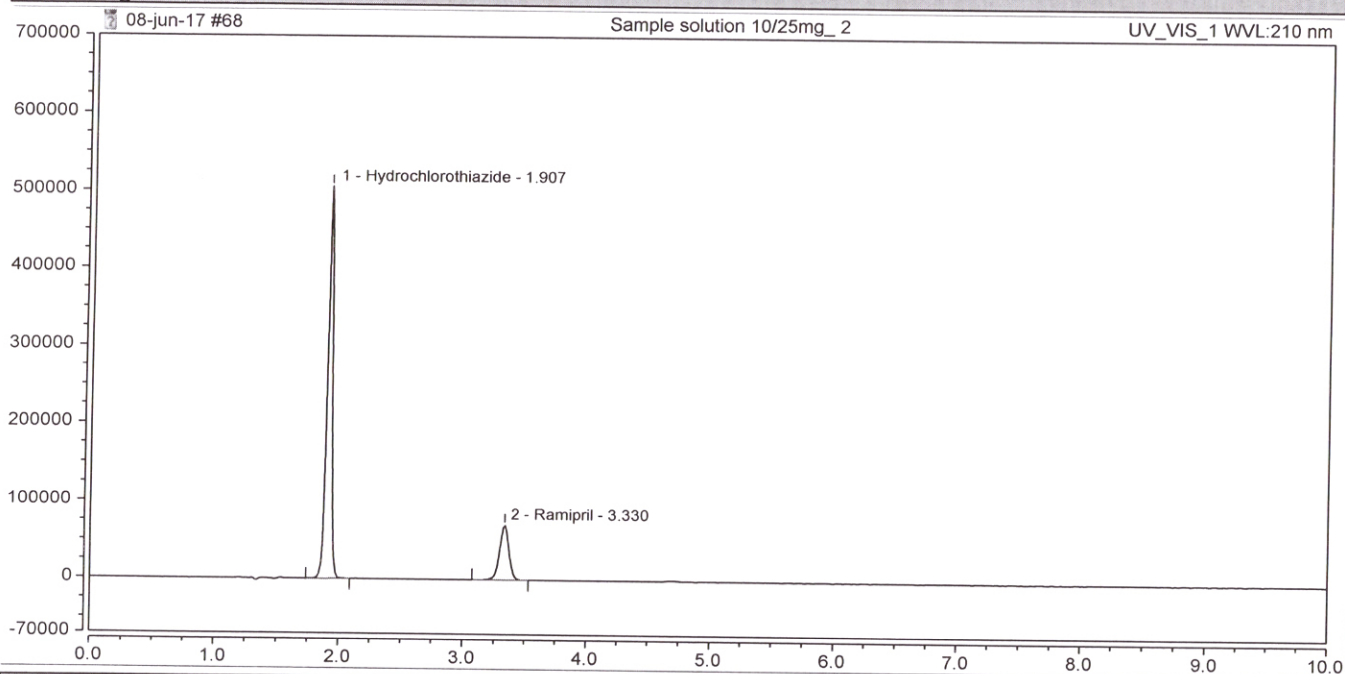
Pragati
23-jun-17

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_2	Run Time (min):	10.00
Vial Number:	BA8	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (+) flow HPLC_67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-2	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 04:50	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

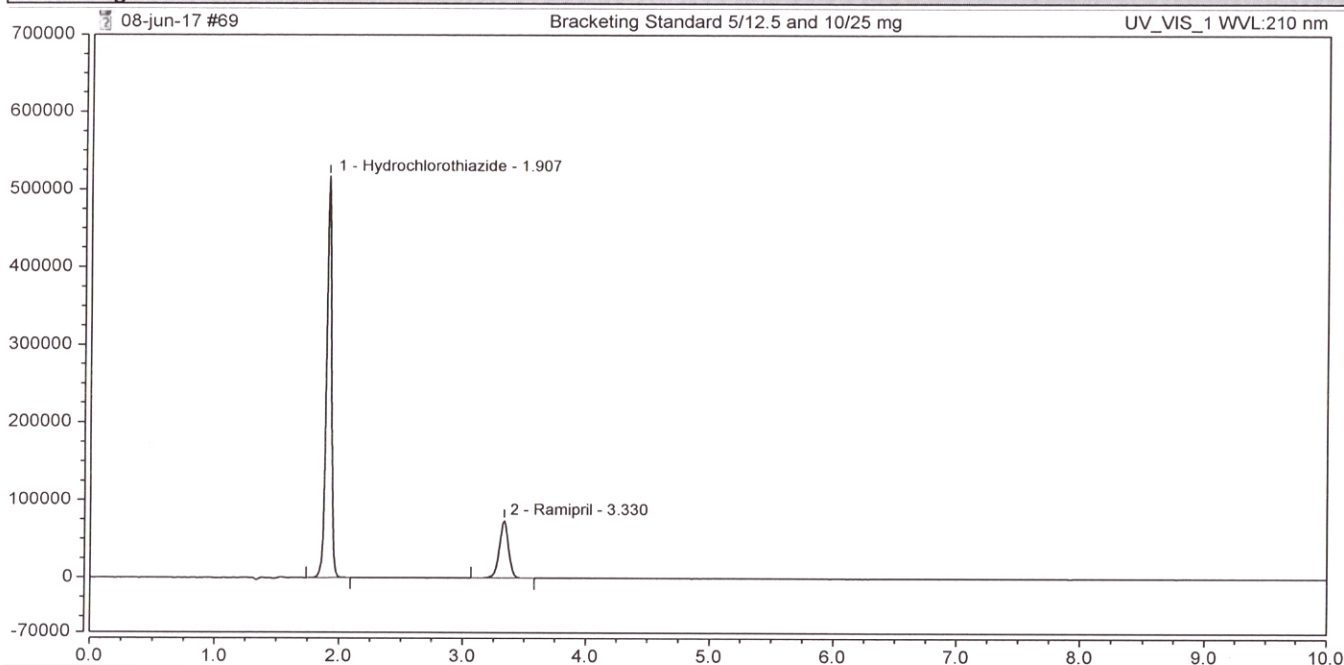
No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	1.91	24433.572	n.a.	1.03	10428
2	Ramipril	3.33	6094.270	n.a.	0.96	10102
Total:			30527.841	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Bracketing Standard 5/12.5 and 10/25 mg	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay-Robustness (+) flow HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-2	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 05:02	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	1.91	24936.552	n.a.	1.03	10460
2	Ramipril	3.33	6368.833	n.a.	0.96	10120
Total:			31305.385	0.00		

08-jun-17

Assay Validation Rep_01/Integration

08-jun-17

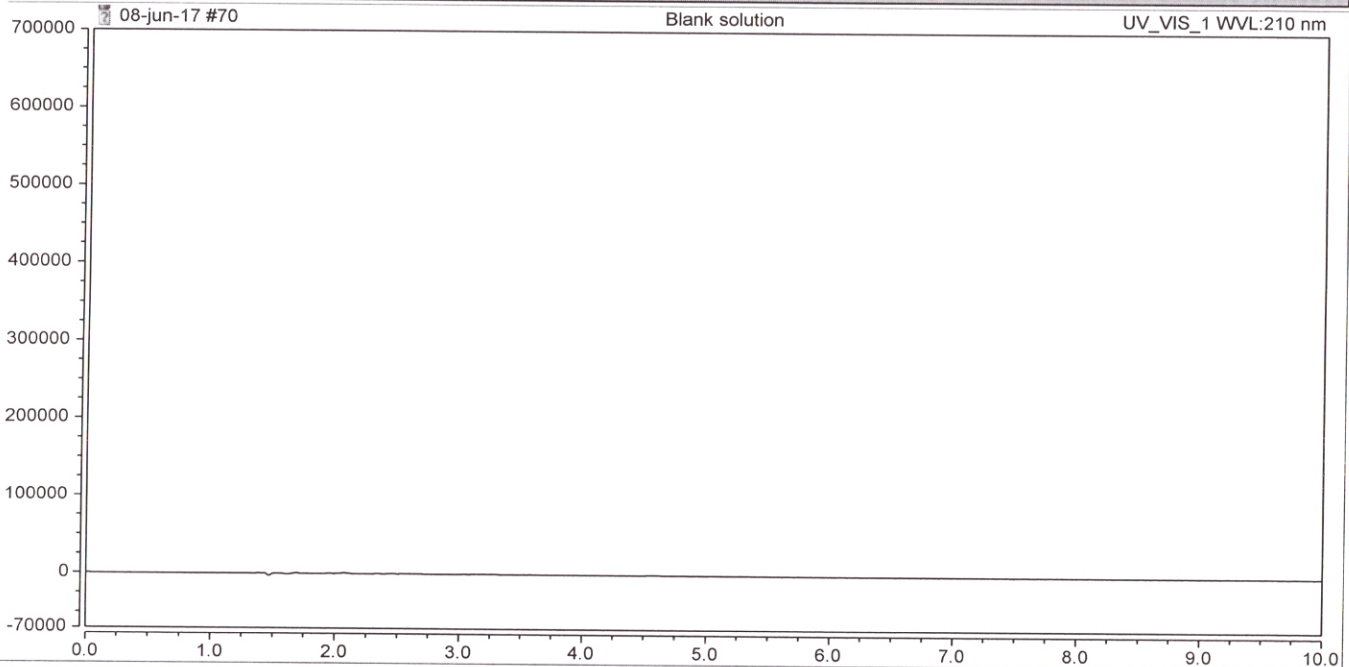
Chromleon (c) Dionex
Version 7.2.4.8525

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 05:14	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

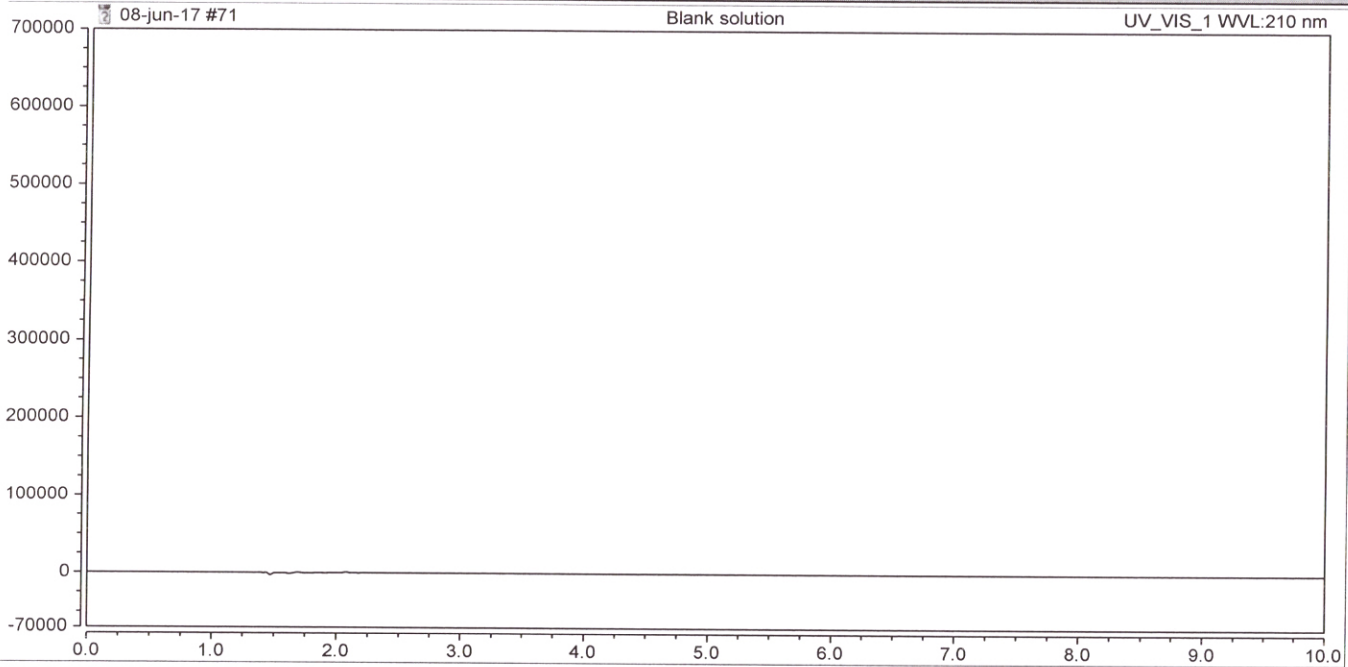
No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 05:26	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

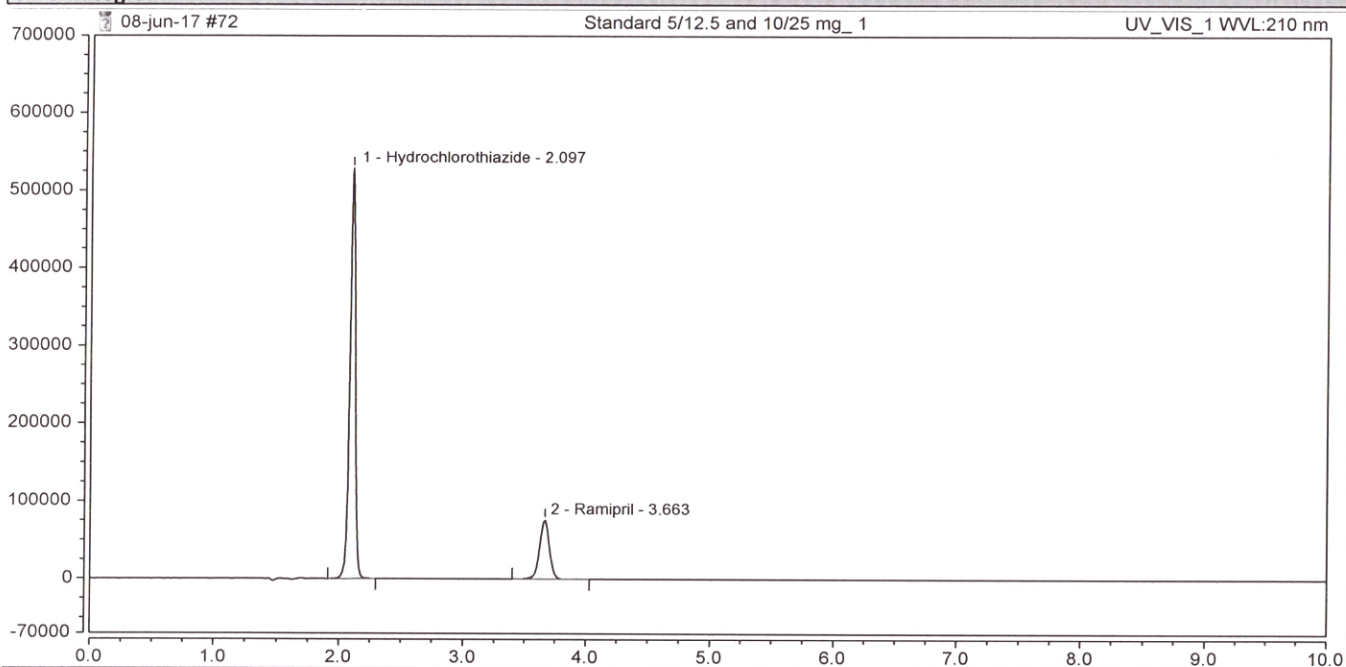
No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 1	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 05:38	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

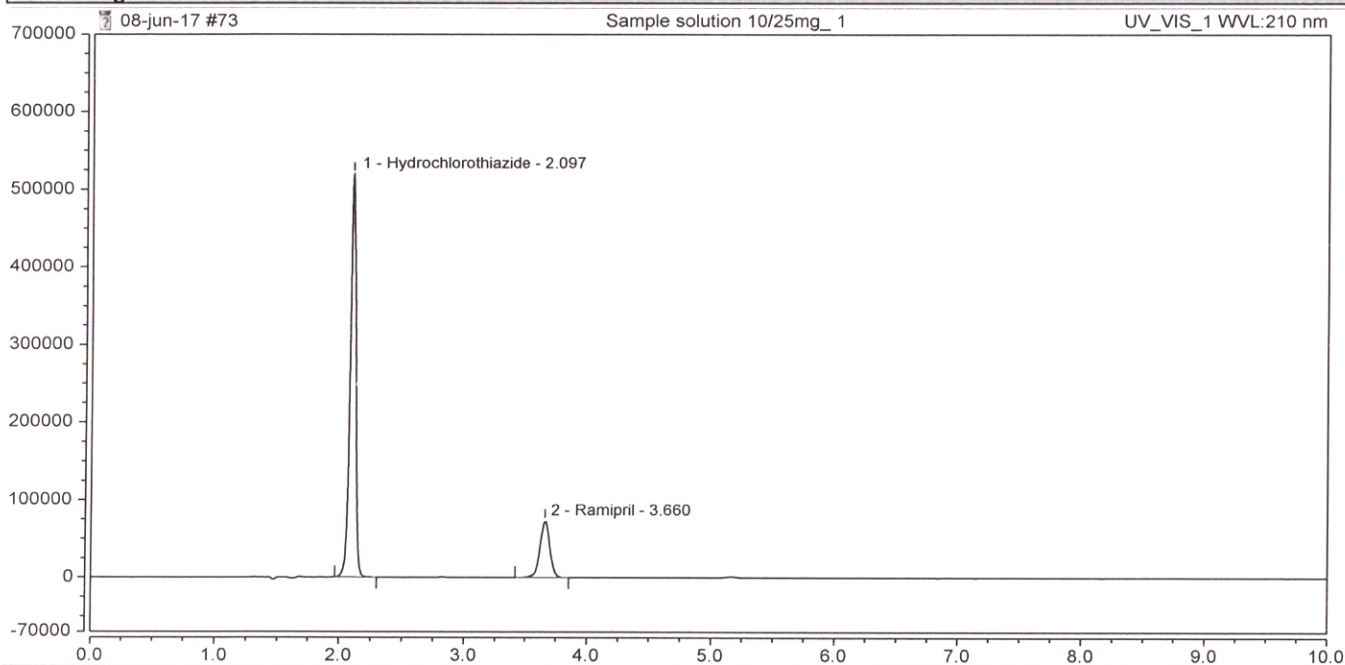
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27477.861	n.a.	1.04	10896
2	Ramipril	3.66	7028.509	n.a.	0.96	10652
Total:			34506.370	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_ 1	Run Time (min):	10.00
Vial Number:	BA7	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 05:49	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

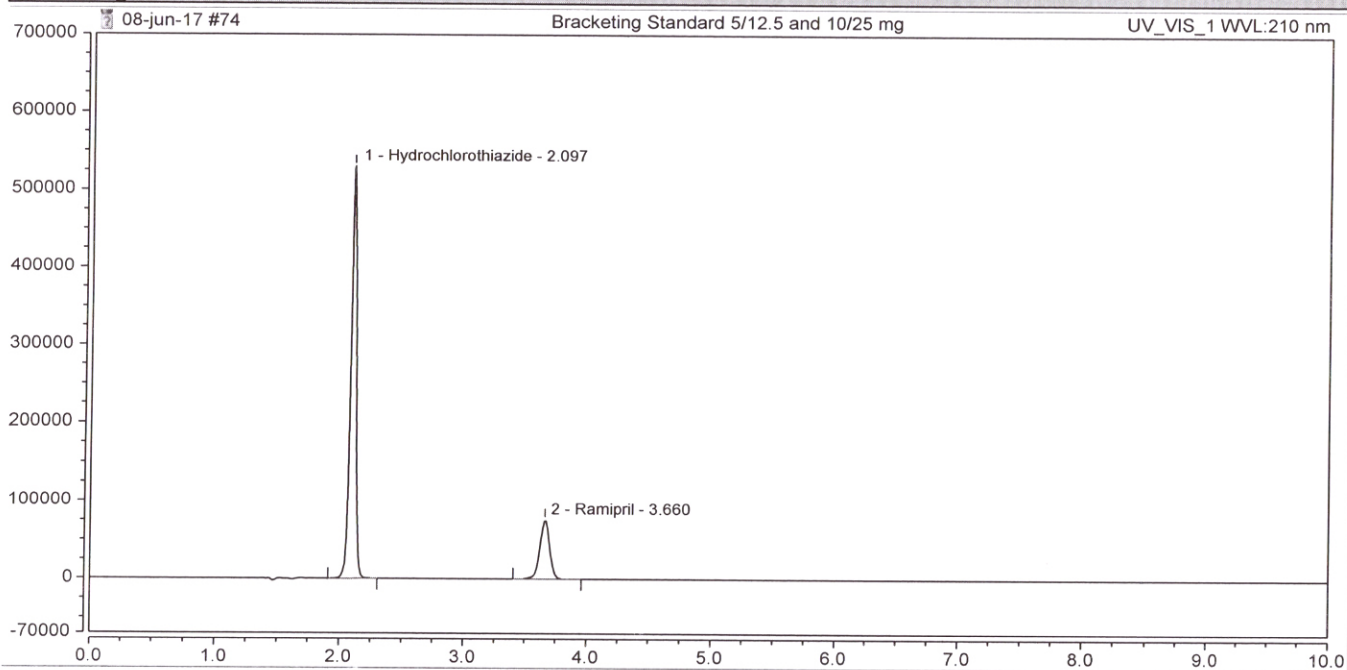
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26925.800	n.a.	1.02	10884
2	Ramipril	3.66	6714.042	n.a.	0.98	10652
Total:			33639.841	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Bracketing Standard 5/12.5 and 10/25 mg	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 06:01	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

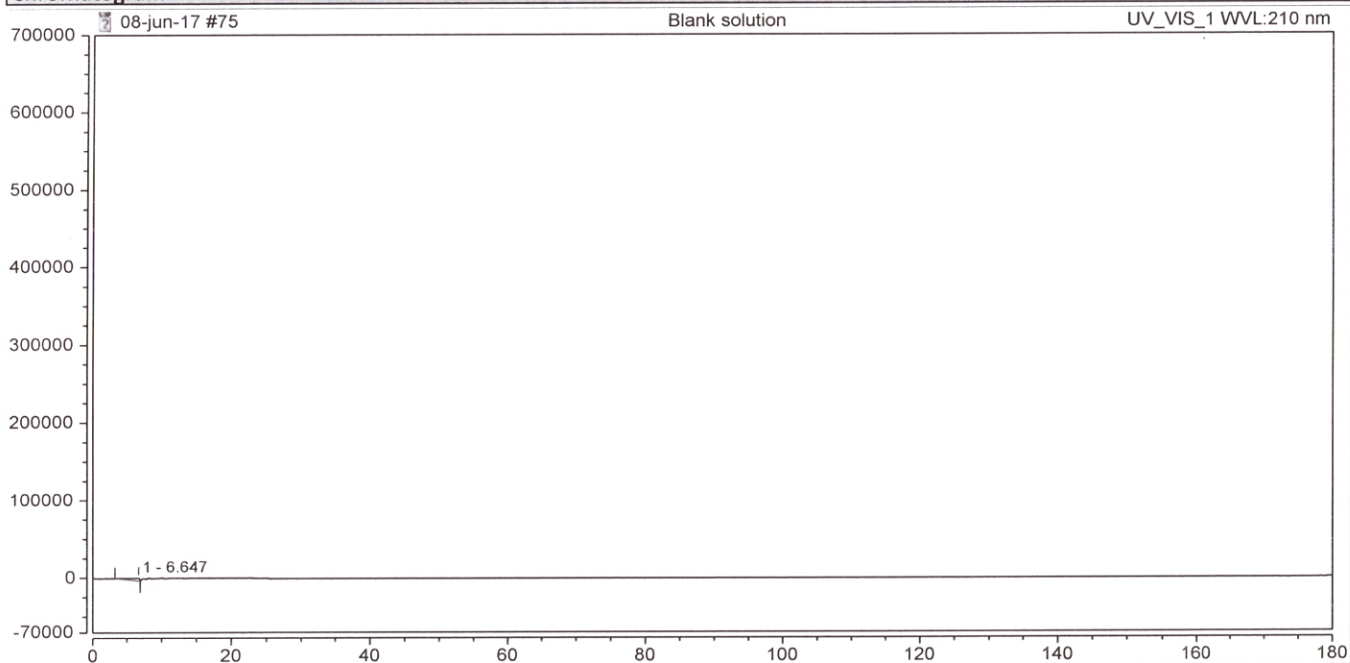
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27411.071	n.a.	1.02	10965
2	Ramipril	3.66	7009.076	n.a.	0.97	10690
Total:			34420.147	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	180.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- saturation-1- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-3	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 06:13	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

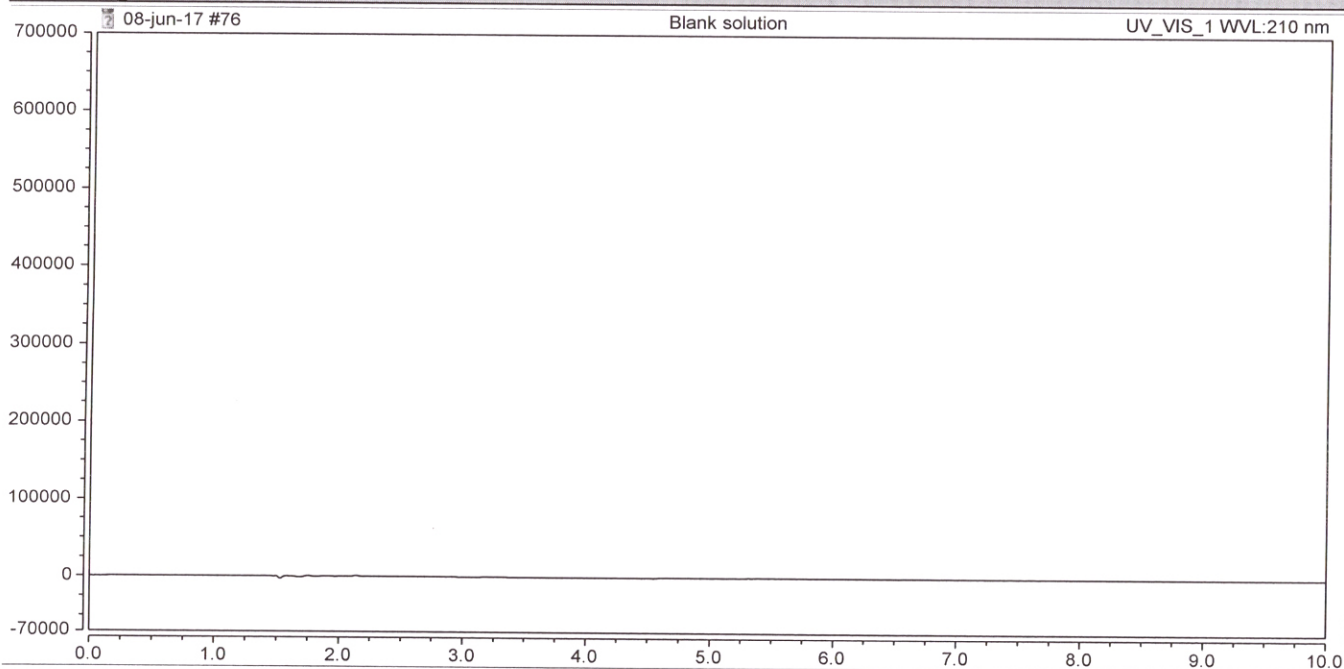
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1		6.65	6119.642	n.a.	0.54	2958
Total:			6119.642	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 09:15	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

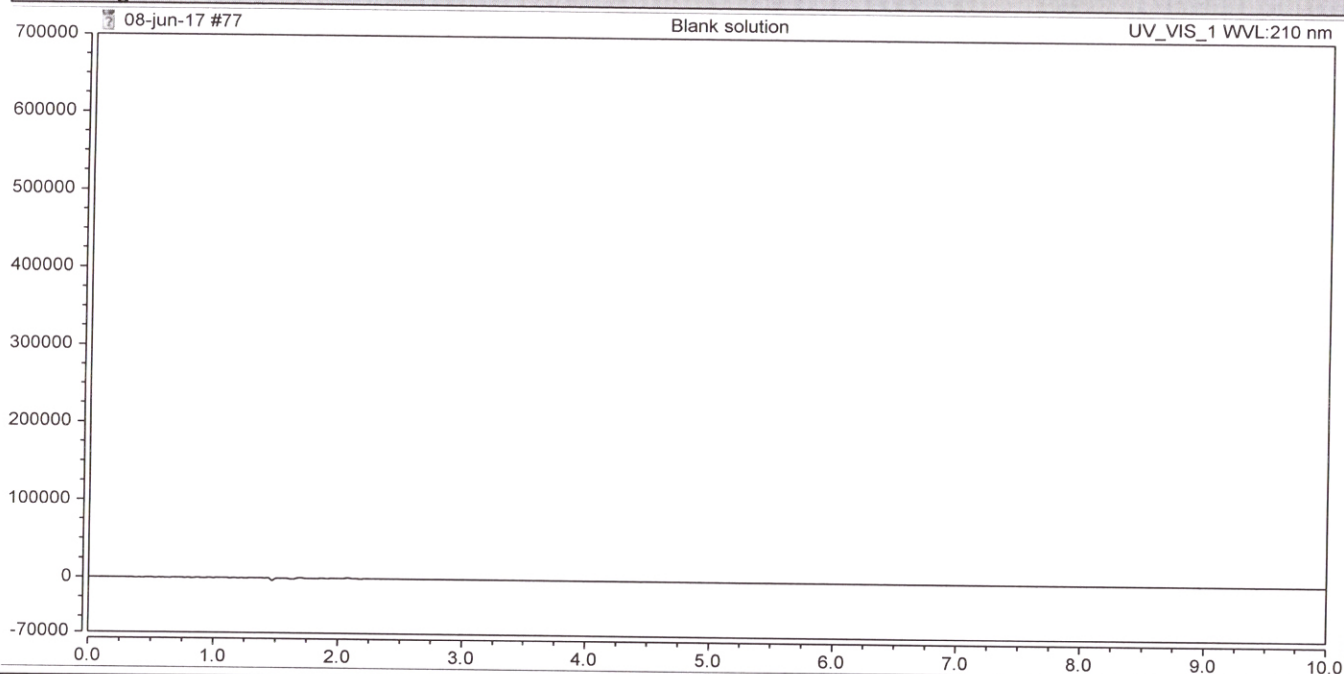
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 09:26	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

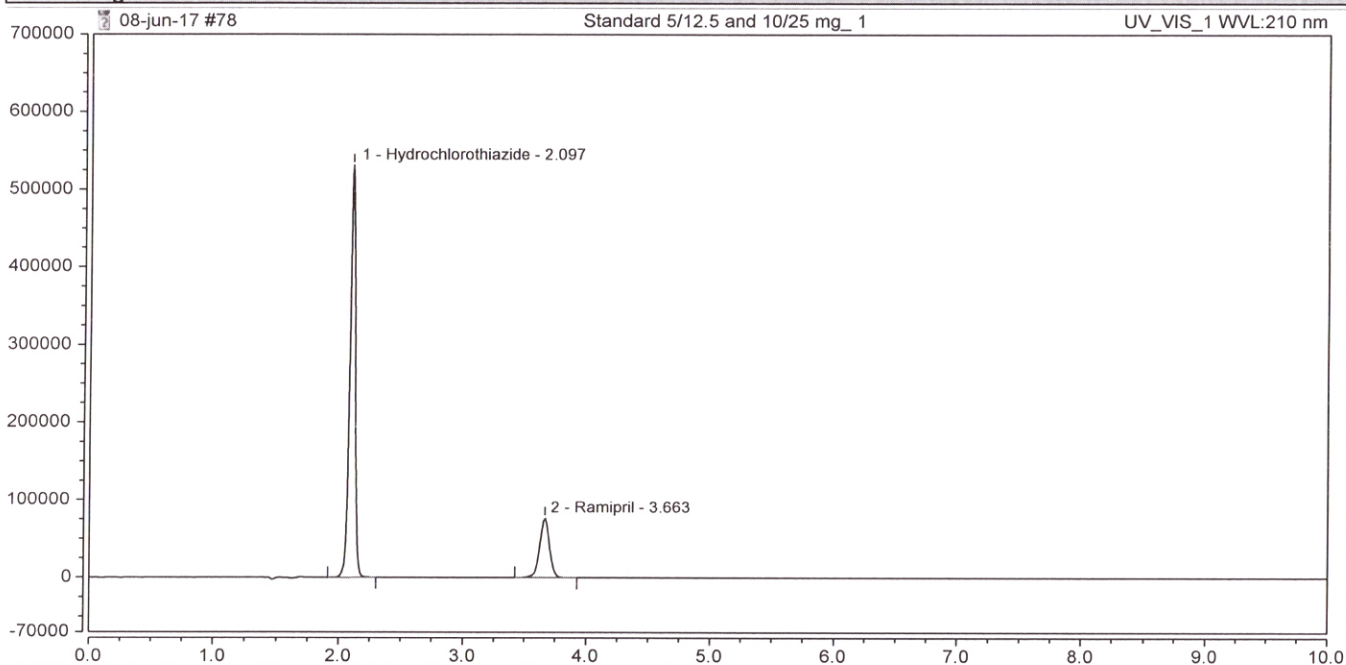
No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 1	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 09:38	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

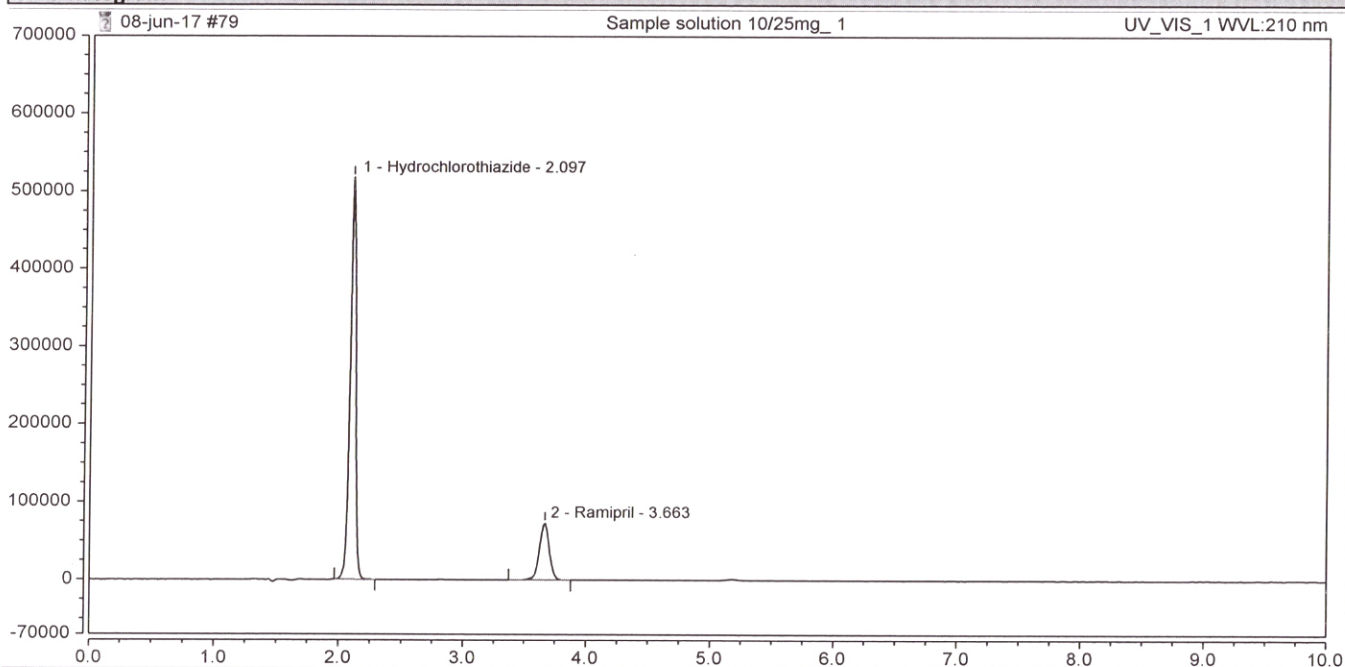
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27578.480	n.a.	1.06	10934
2	Ramipril	3.66	7048.360	n.a.	0.97	10654
Total:			34626.840	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_1	Run Time (min):	10.00
Vial Number:	BA7	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 09:50	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

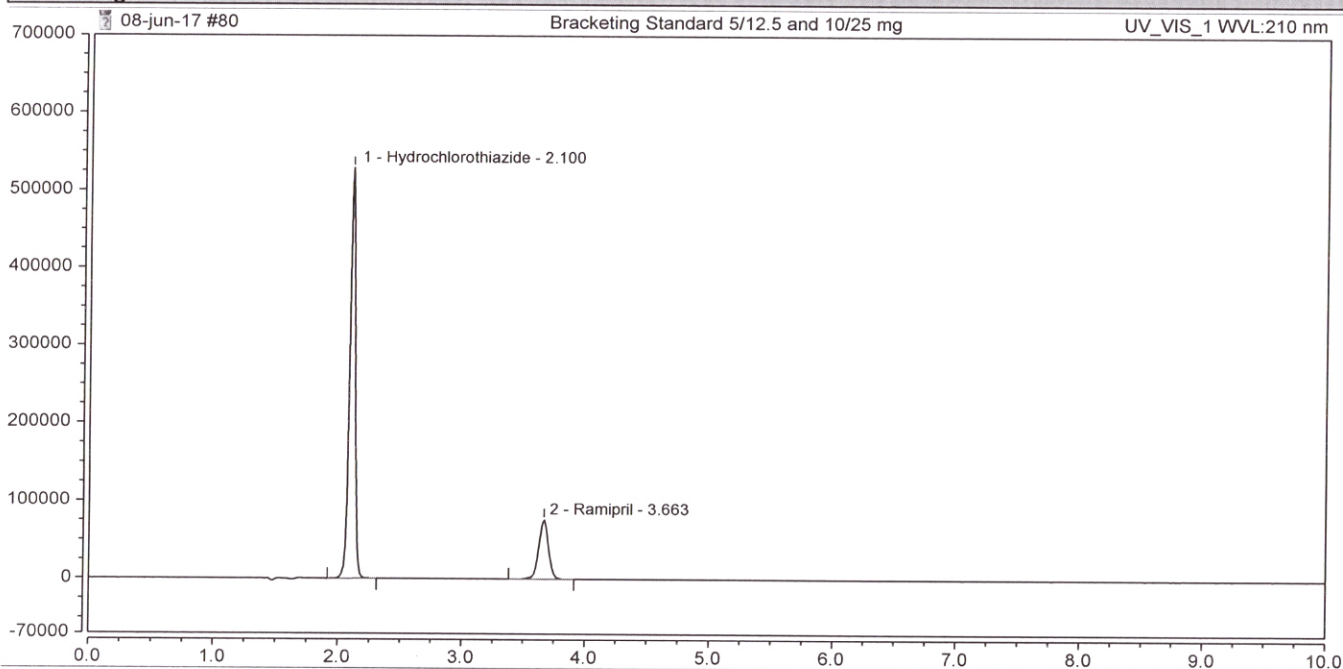
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	26949.482	n.a.	1.06	10807
2	Ramipril	3.66	6741.319	n.a.	0.97	10539
Total:			33690.801	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Bracketing Standard 5/12.5 and 10/25 mg	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 10:02	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

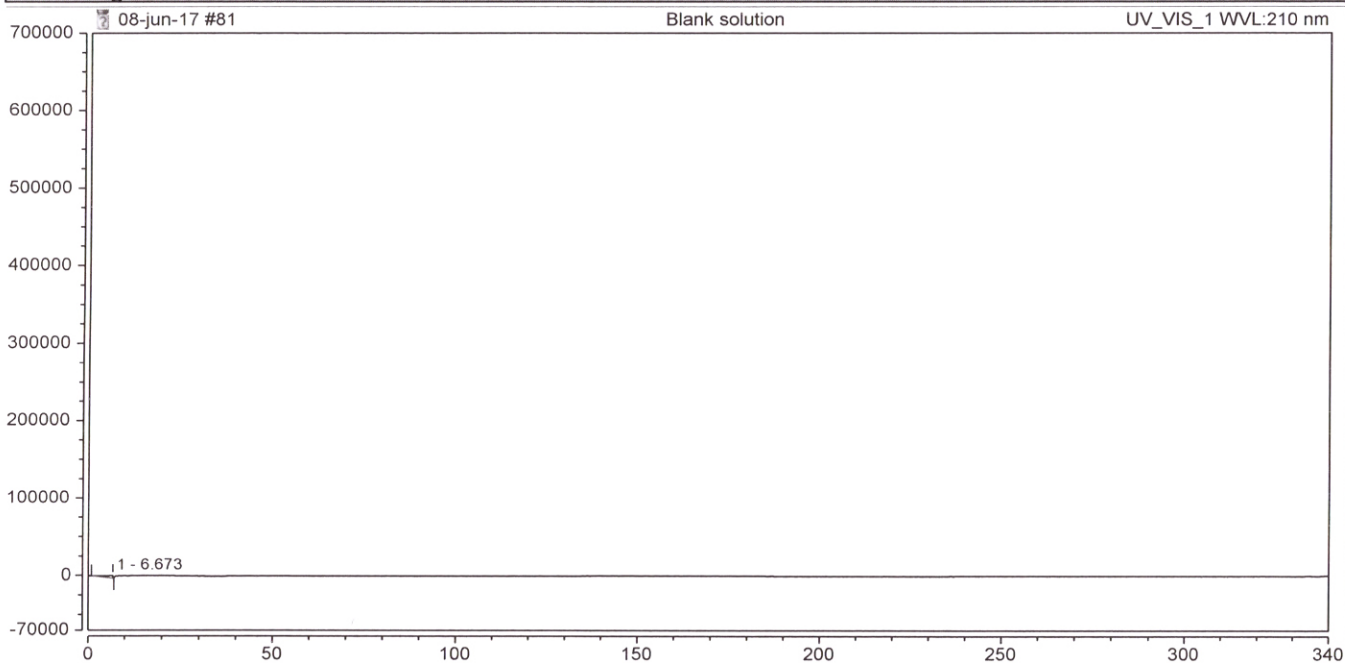
No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.10	27620.359	n.a.	1.02	10754
2	Ramipril	3.66	7060.128	n.a.	0.99	10521
Total:			34680.487	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	340.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- saturation- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-4	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 10:13	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

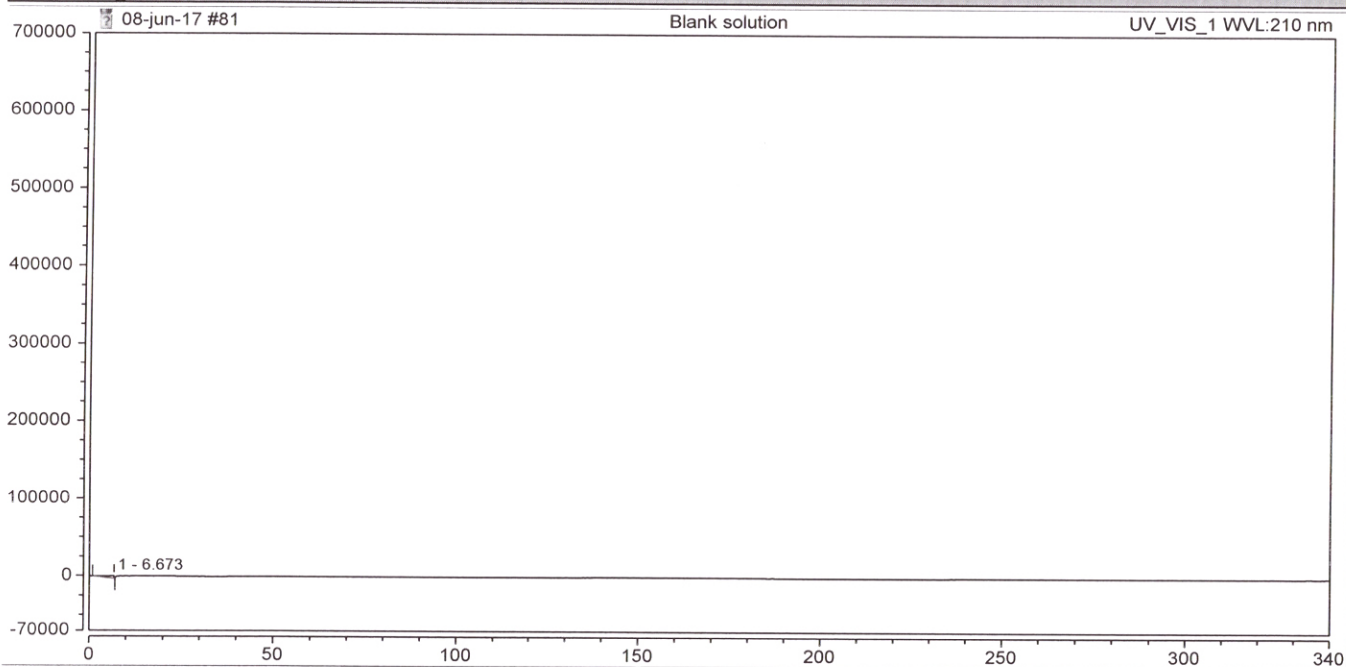
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1		6.67	10287.270	n.a.	0.52	2578
Total:			10287.270	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	340.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- saturation- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-4	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 10:13	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

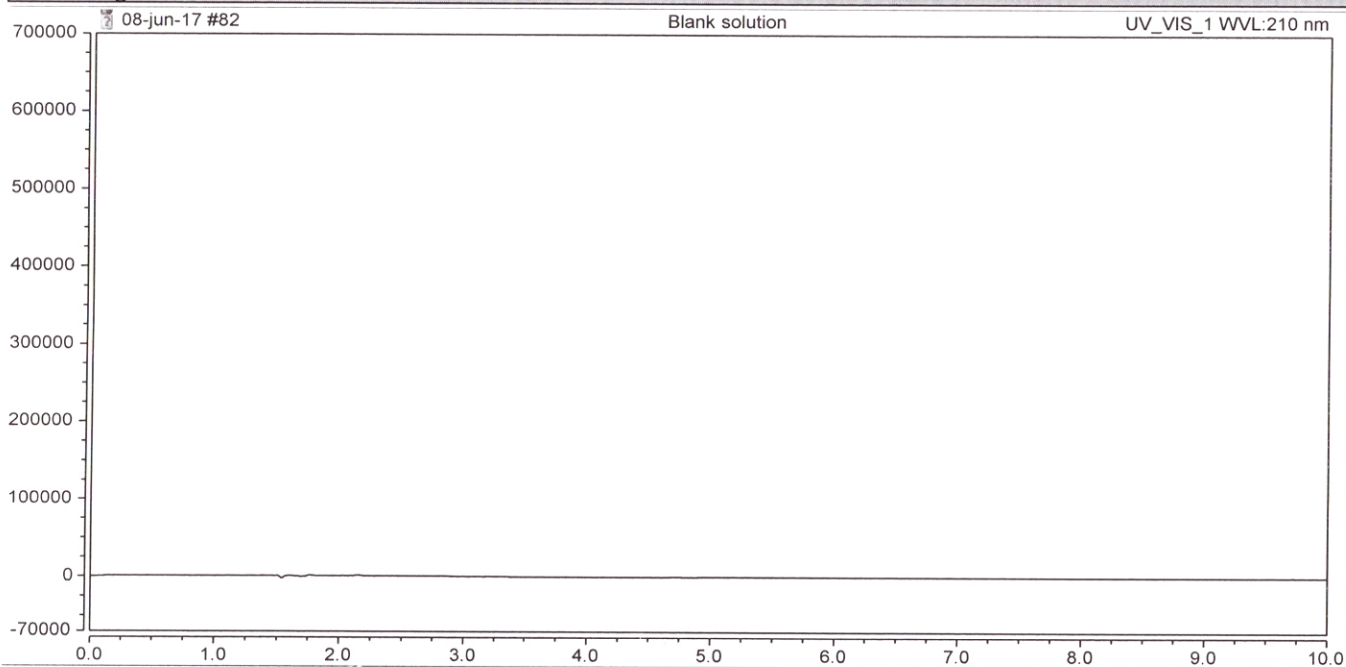
No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
1		6.67	10287.270	n.a.	0.52	2578
Total:			10287.270	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 15:55	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

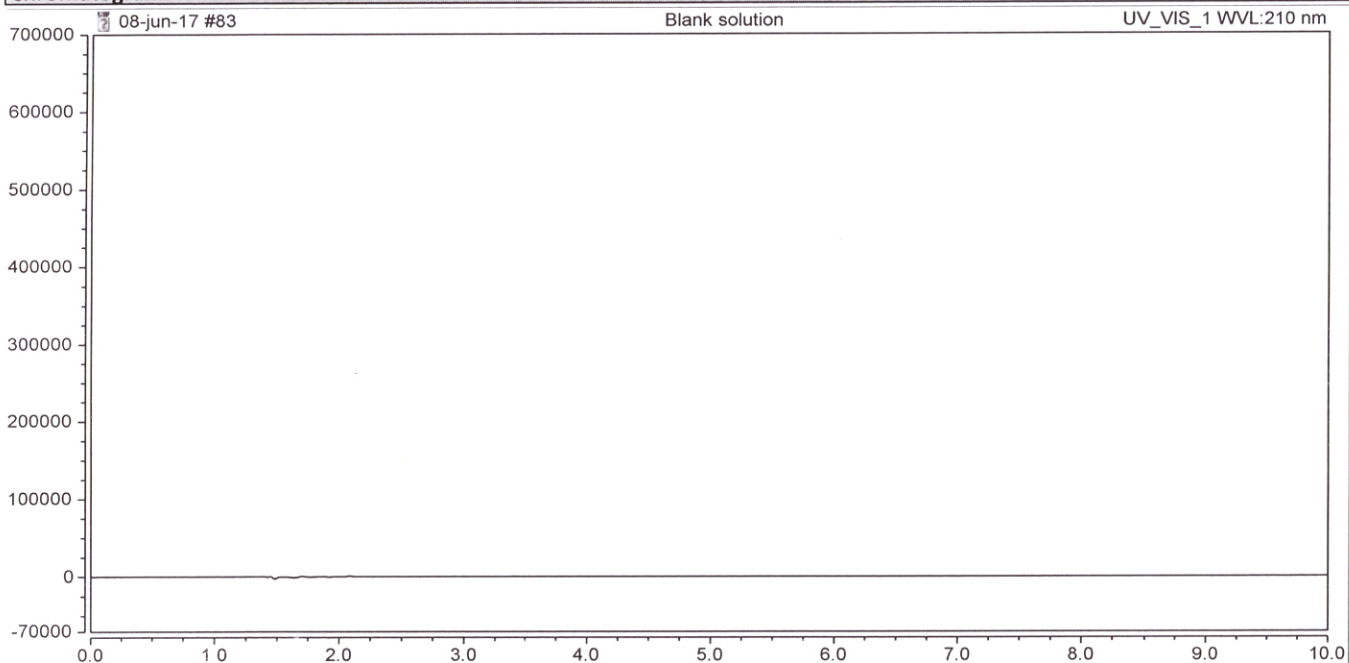
No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 16:07	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

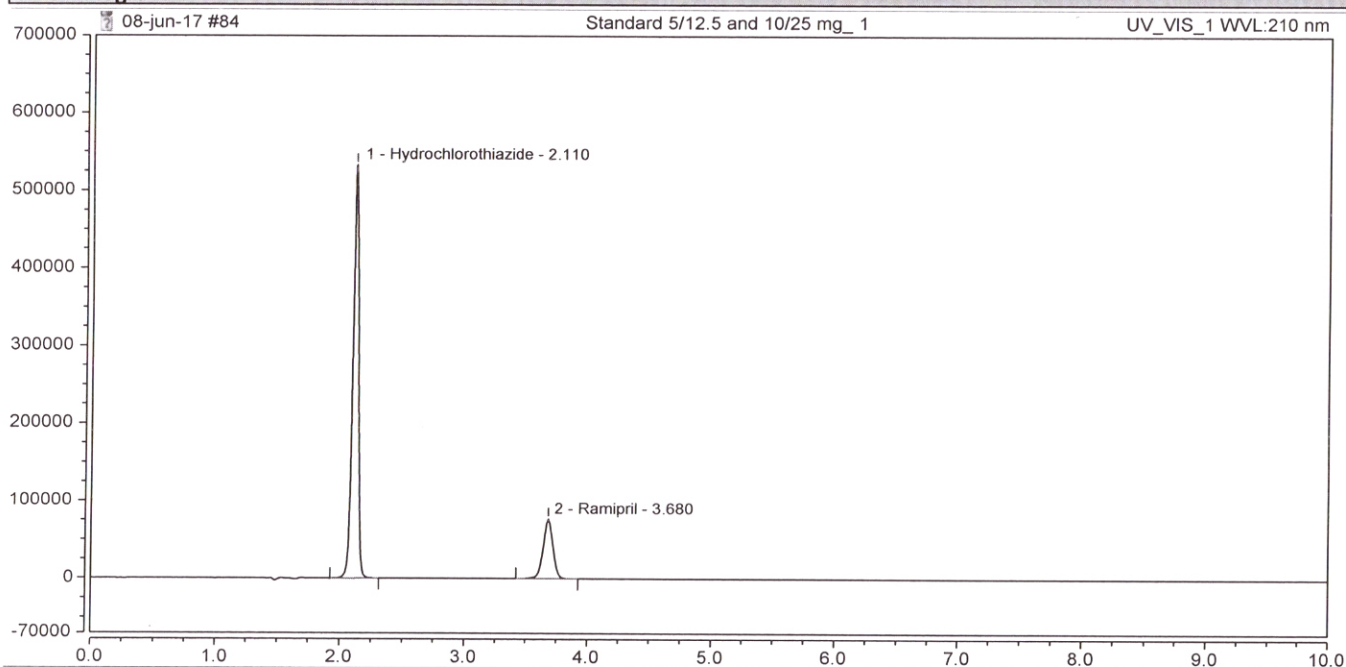
No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 1	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 16:19	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

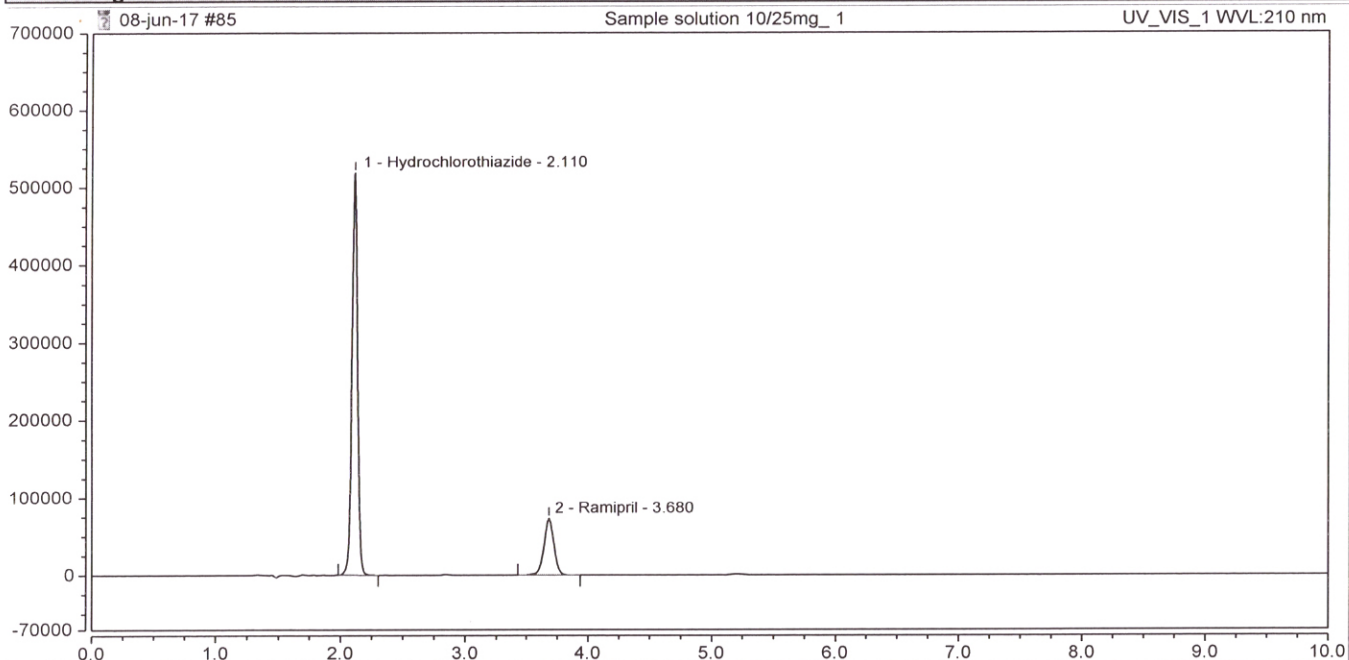
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.11	28019.983	n.a.	1.03	10690
2	Ramipril	3.68	7159.078	n.a.	0.99	10427
Total:			35179.061	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_1	Run Time (min):	10.00
Vial Number:	BA7	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 16:31	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.11	27177.318	n.a.	1.02	10715
2	Ramipril	3.68	6797.521	n.a.	0.99	10422
Total:			33974.840	0.00		

GM
23-jun-17

Assay Validation Rep_01/Integration

Signature
23-jun-17

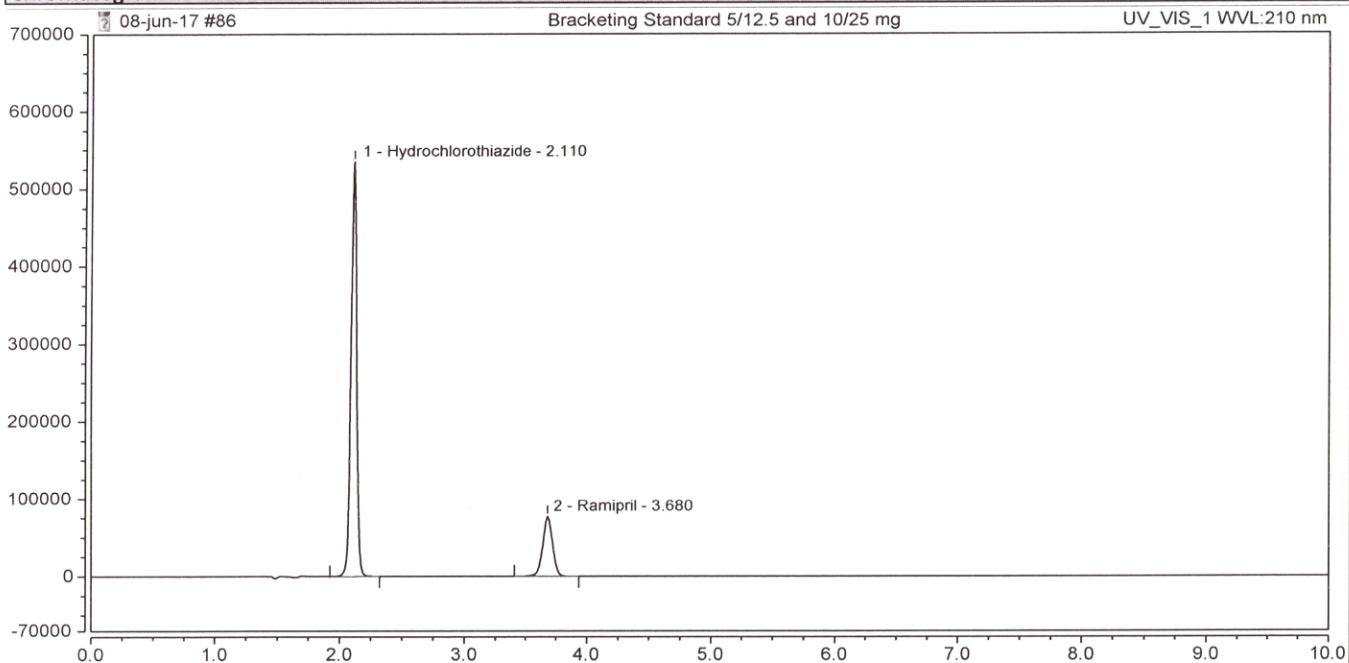
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Bracketing Standard 5/12.5 and 10/25 mg	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 16:42	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

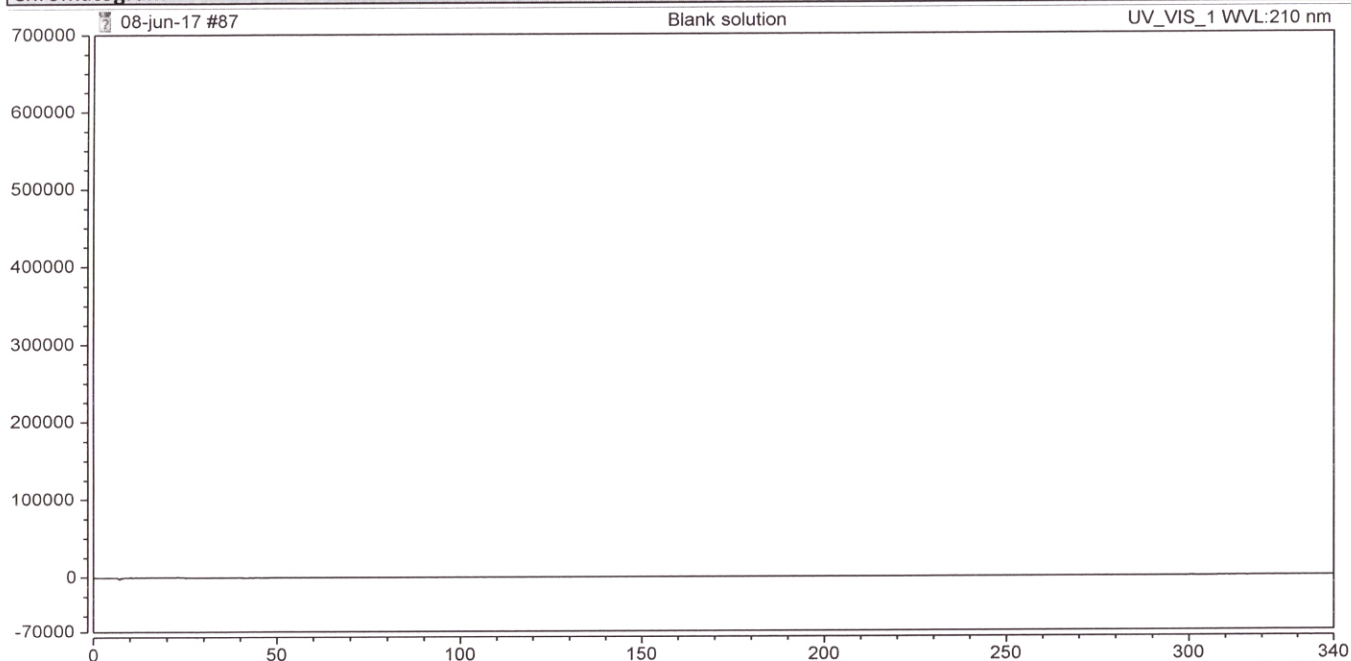
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.11	28097.156	n.a.	1.03	10690
2	Ramipril	3.68	7173.474	n.a.	1.00	10460
Total:			35270.630	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

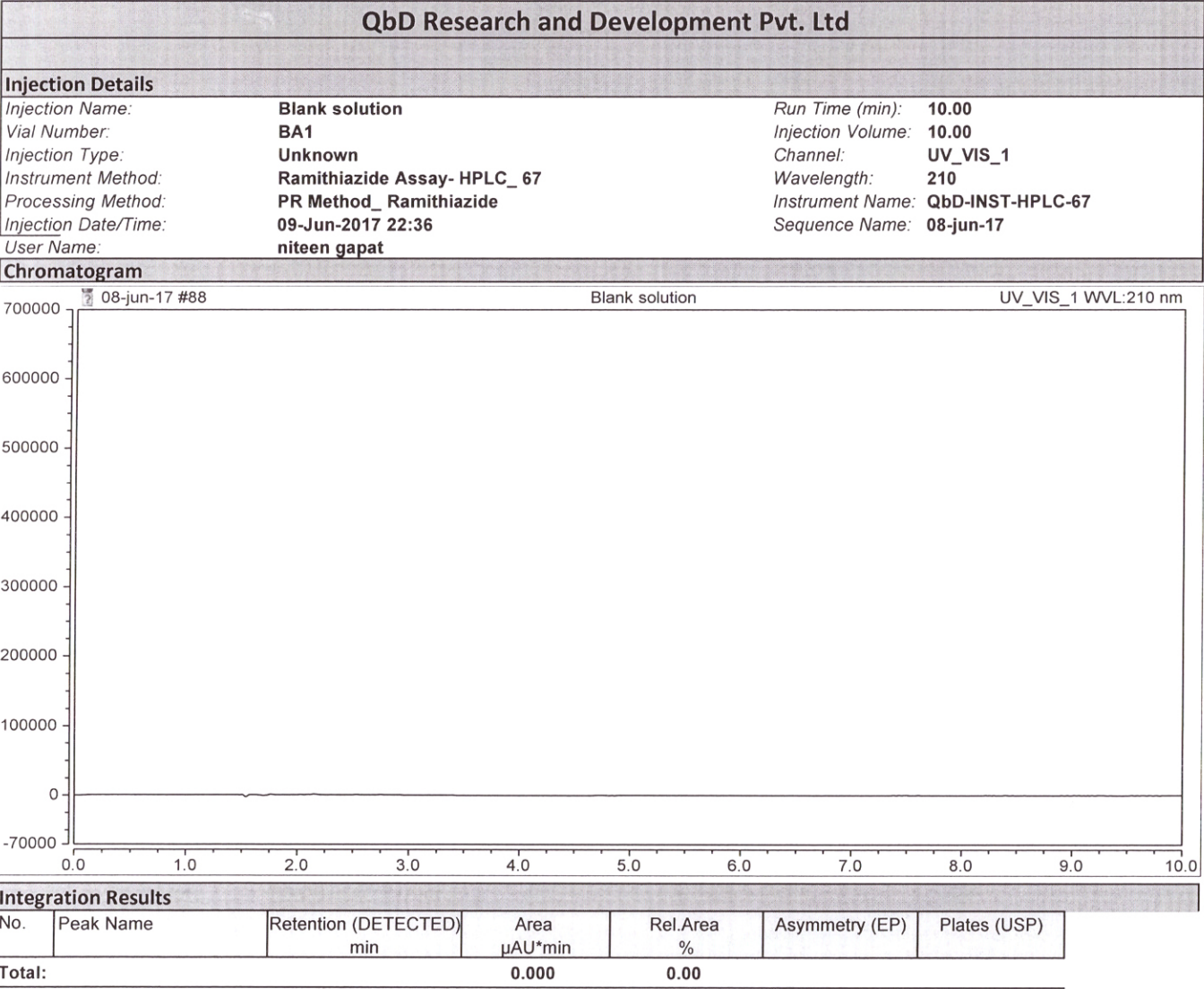
Injection Name:	Blank solution	Run Time (min):	340.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- saturation- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-4	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 16:54	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

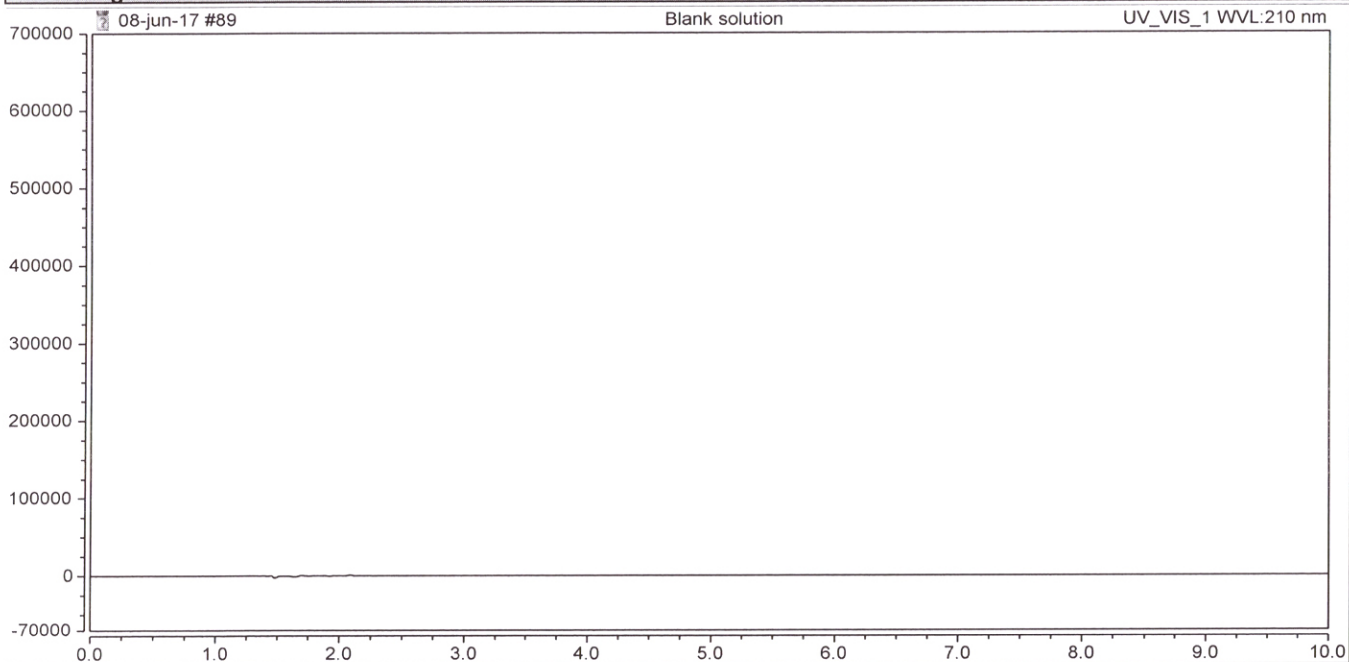


QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 22:48	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

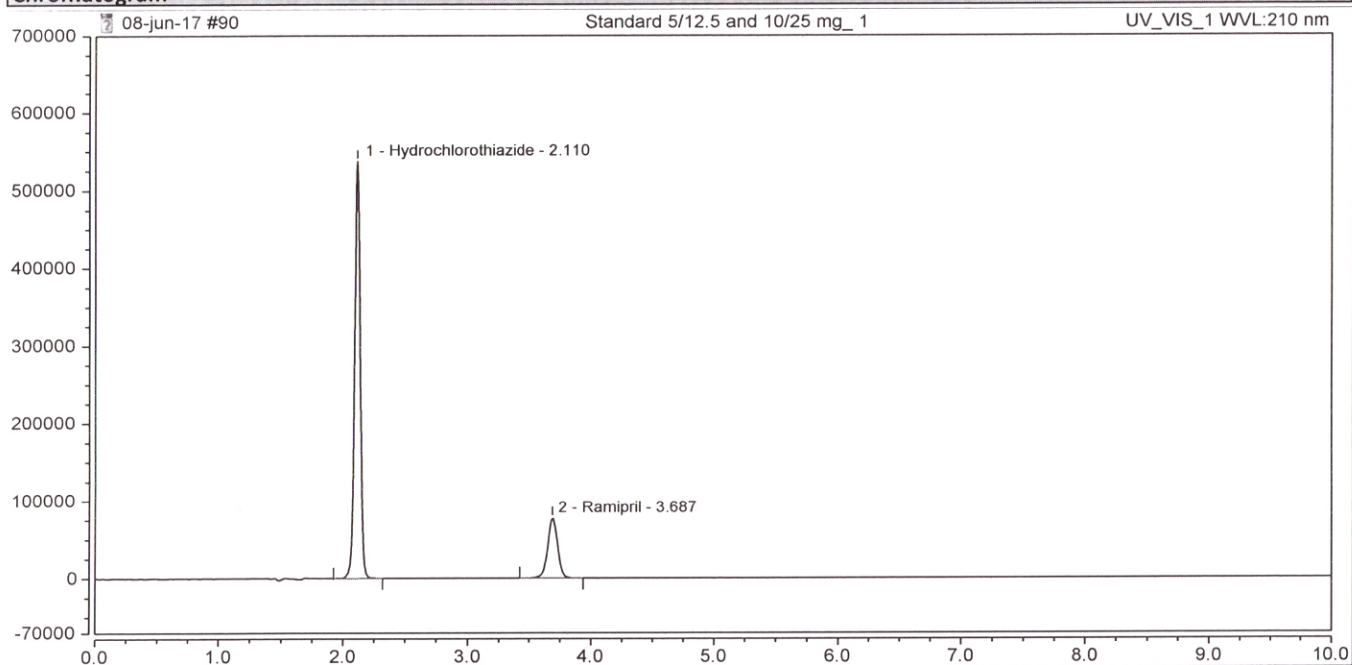
No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 1	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 22:59	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

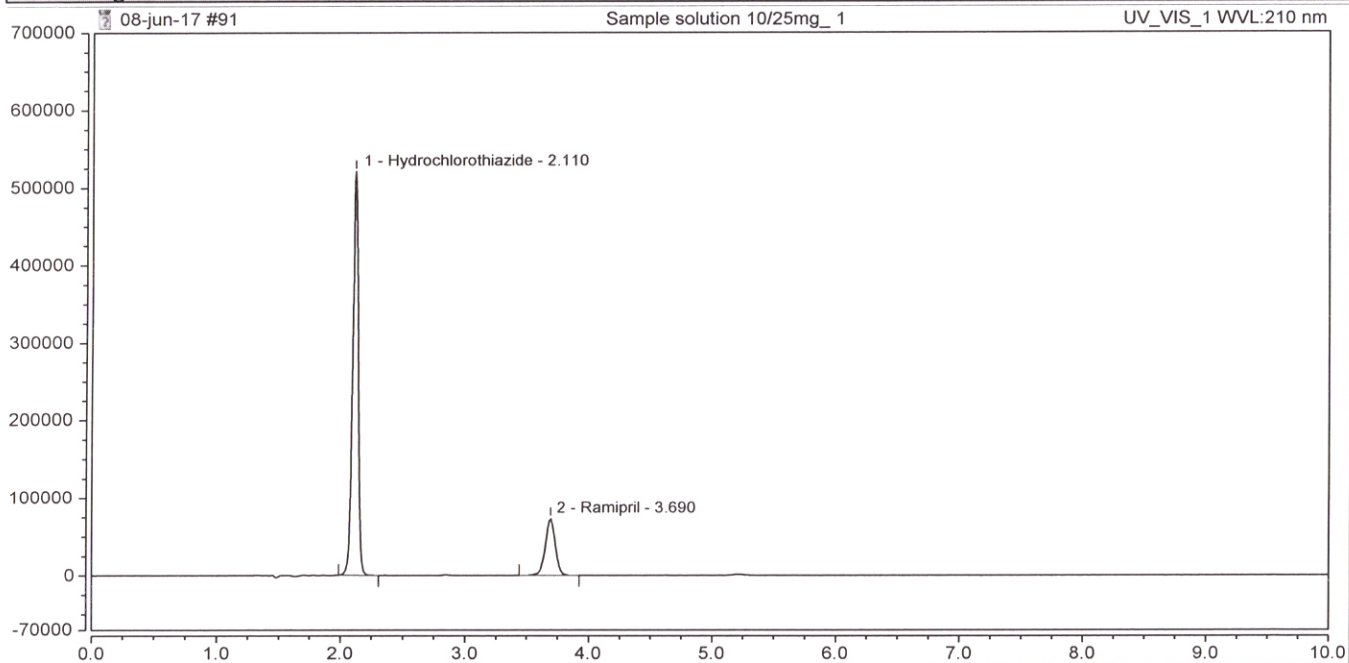
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.11	28227.280	n.a.	1.08	10781
2	Ramipril	3.69	7213.154	n.a.	1.00	10514
Total:			35440.434	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_ 1	Run Time (min):	10.00
Vial Number:	BA7	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 23:11	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

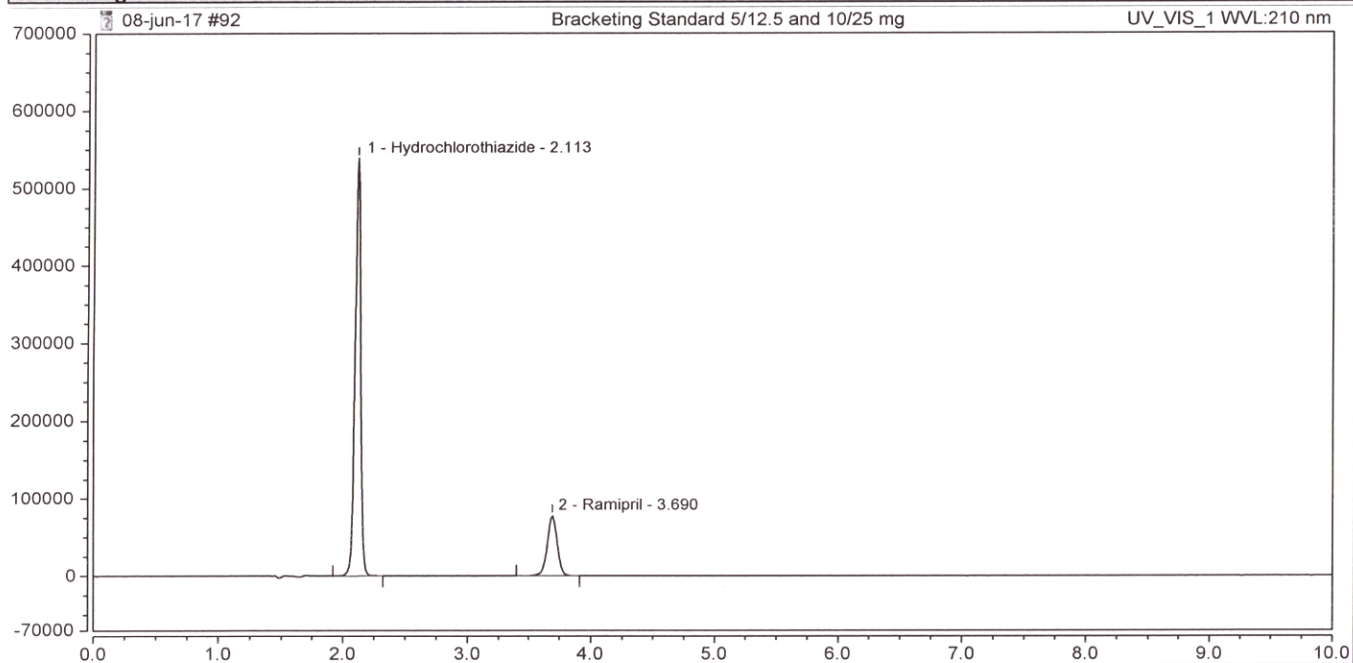
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.11	27285.001	n.a.	1.08	10818
2	Ramipril	3.69	6819.047	n.a.	0.98	10538
Total:			34104.048	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Bracketing Standard 5/12.5 and 10/25 mg	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 23:23	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

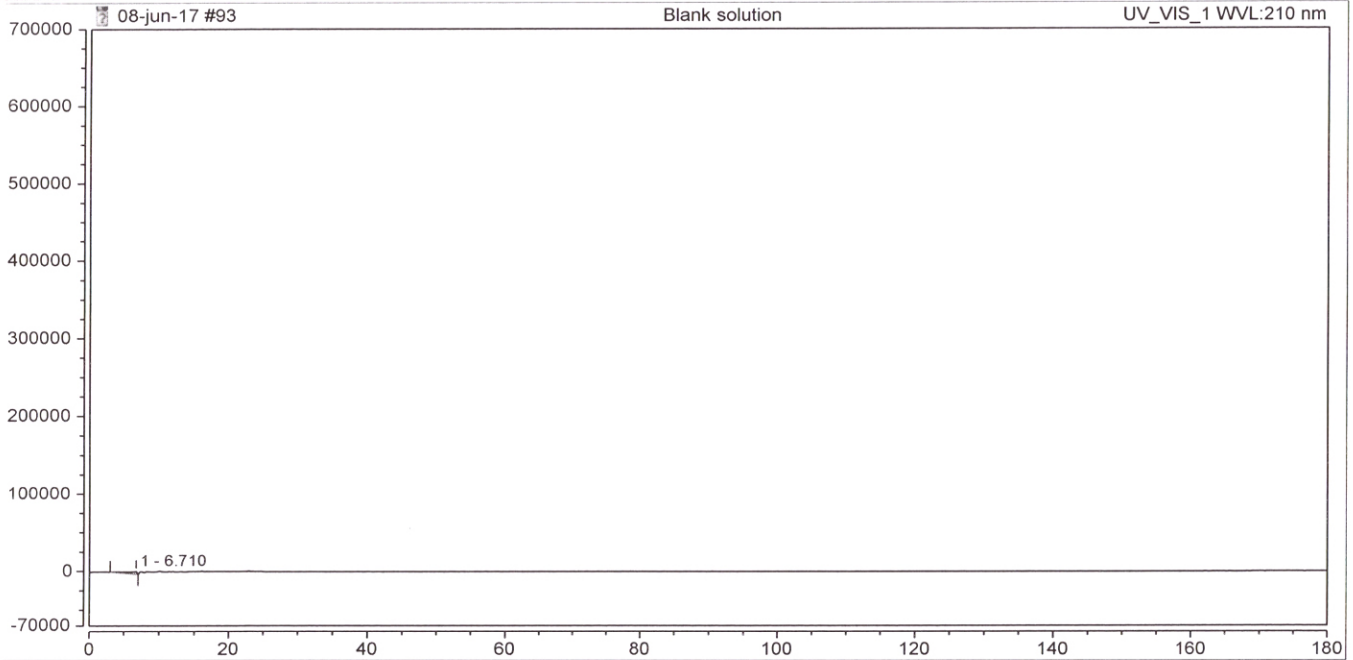
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.11	28308.312	n.a.	1.03	10740
2	Ramipril	3.69	7232.598	n.a.	0.99	10521
Total:			35540.910	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	180.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- saturation-1- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide-3	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	09-Jun-2017 23:35	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

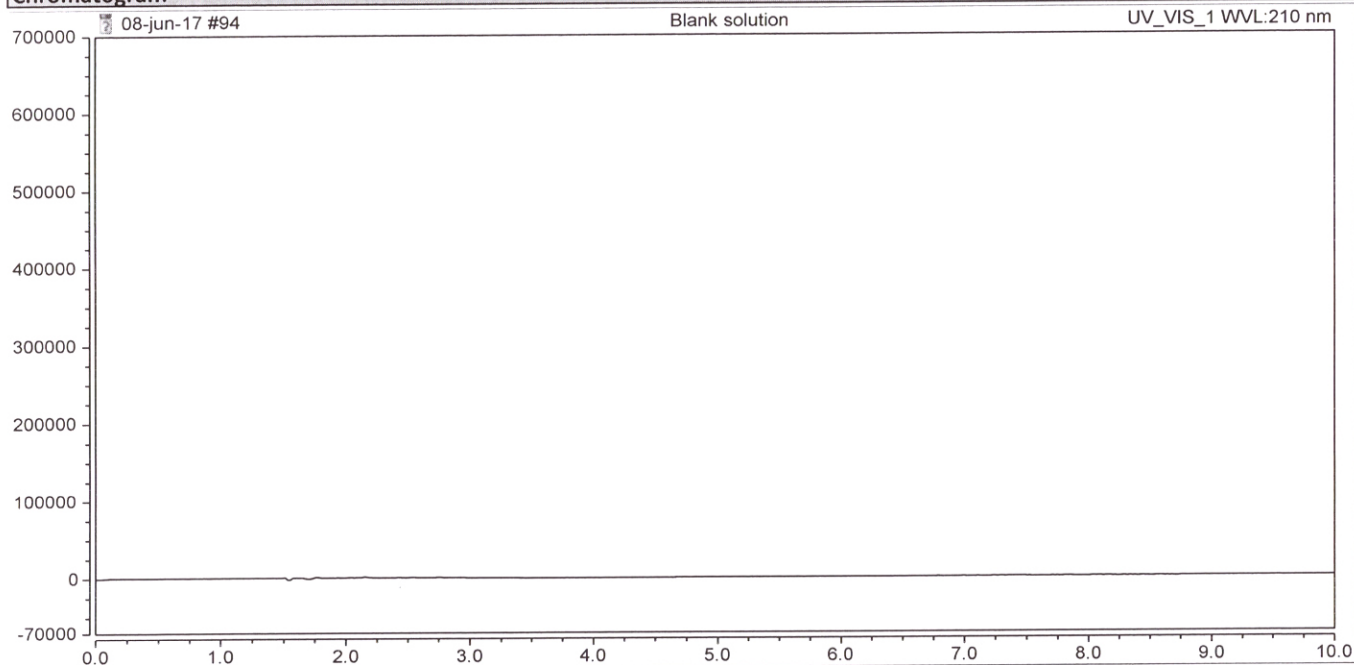
No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
1		6.71	6601.043	n.a.	0.54	2673
Total:			6601.043	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	10-Jun-2017 02:37	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

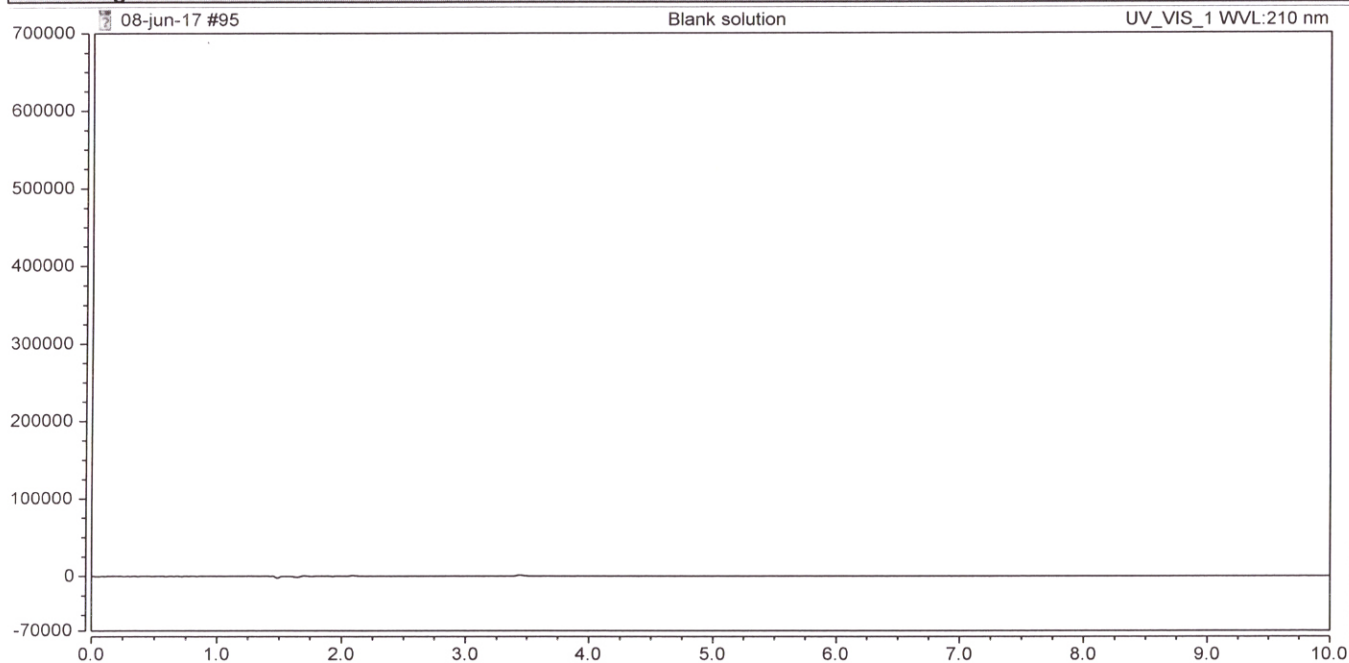
No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	10-Jun-2017 02:48	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		

(H)
23-Jun-17
Assay Validation Rep_01/Integration

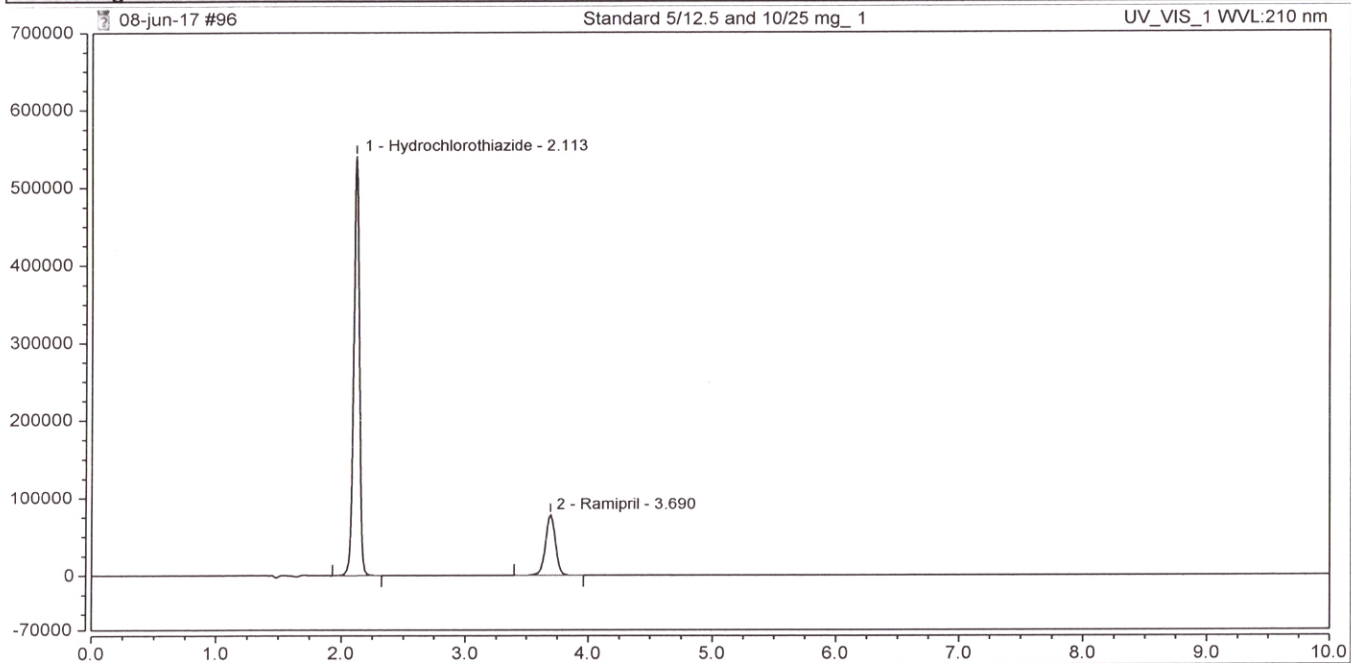
Chromleon (c) Dionex
Version 7.2.4.8525

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard 5/12.5 and 10/25 mg_ 1	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	10-Jun-2017 03:00	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

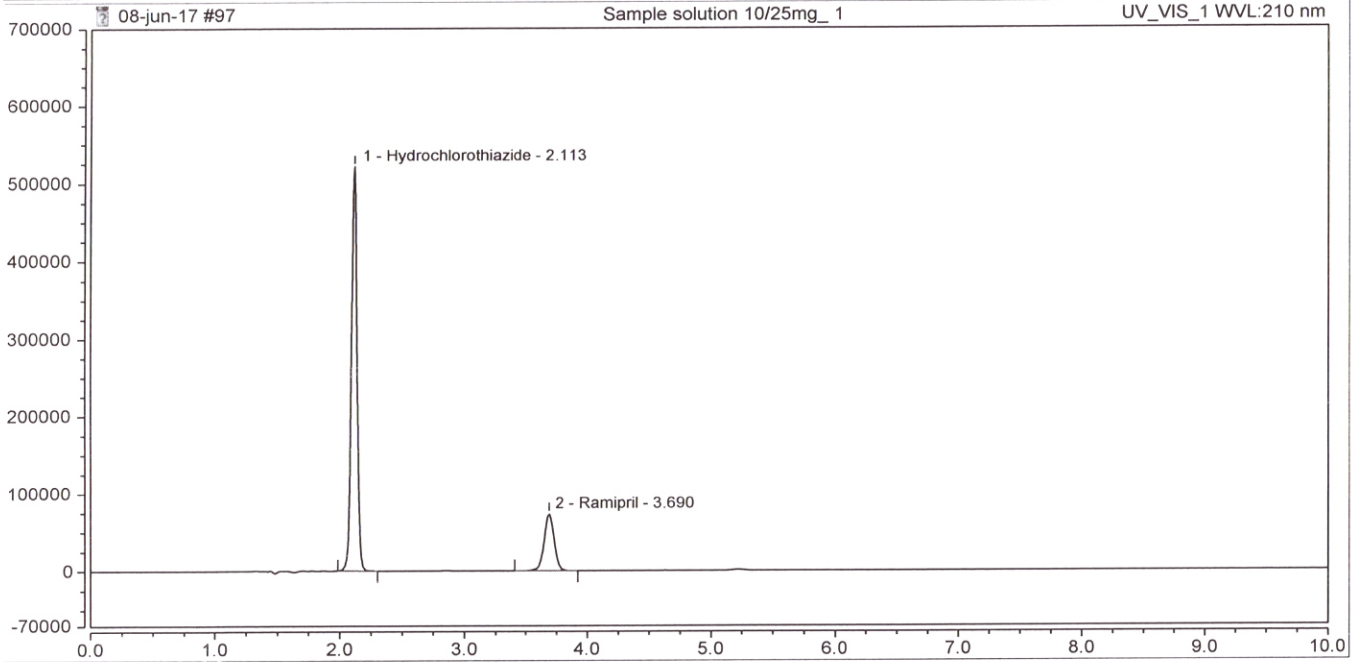
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.11	28438.752	n.a.	1.04	10662
2	Ramipril	3.69	7265.373	n.a.	1.00	10447
Total:			35704.125	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Sample solution 10/25mg_ 1	Run Time (min):	10.00
Vial Number:	BA7	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	10-Jun-2017 03:12	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU} \cdot \text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.11	27424.241	n.a.	1.02	10730
2	Ramipril	3.69	6854.230	n.a.	0.98	10442
Total:			34278.472	0.00		

(H)
23-Jun-17

Assay Validation Rep_01/Integration

QbD
23-Jun-17

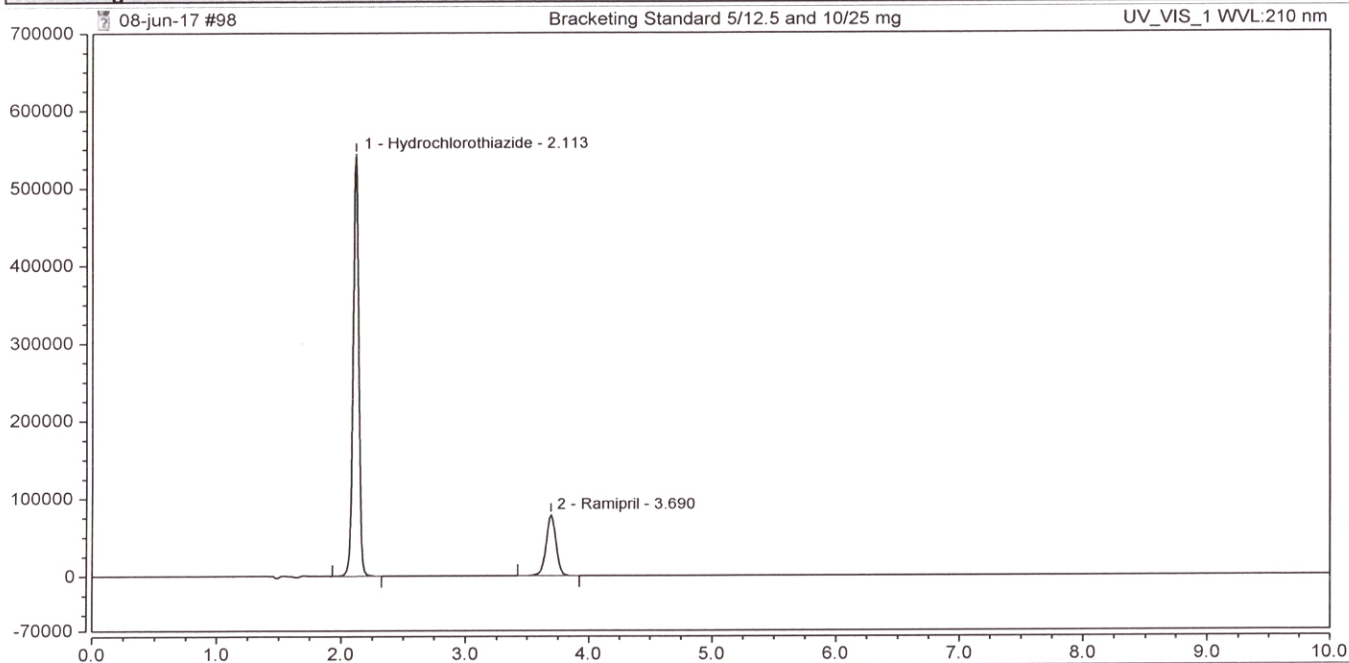
Chromleon (c) Dionex
Version 7.2.4.8525

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Bracketing Standard 5/12.5 and 10/25 mg	Run Time (min):	10.00
Vial Number:	BA2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	10-Jun-2017 03:24	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

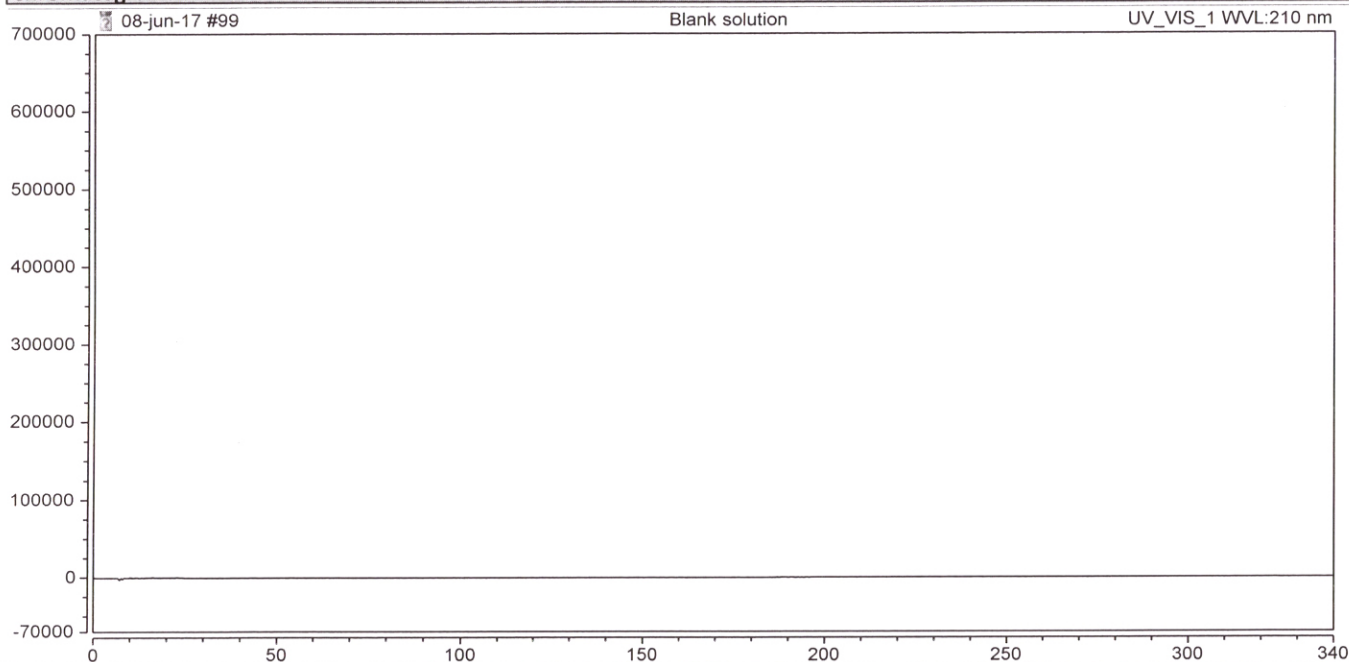
No.	Peak Name	Retention (DETECTED) min	Area $\mu\text{AU}\cdot\text{min}$	Rel.Area %	Asymmetry (EP)	Plates (USP)
1	Hydrochlorothiazide	2.11	28511.617	n.a.	1.04	10762
2	Ramipril	3.69	7276.160	n.a.	1.00	10487
Total:			35787.777	0.00		

QbD Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank solution	Run Time (min):	340.00
Vial Number:	BA1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Instrument Method:	Ramithiazide Assay- saturation- HPLC_ 67	Wavelength:	210
Processing Method:	PR Method_ Ramithiazide	Instrument Name:	QbD-INST-HPLC-67
Injection Date/Time:	10-Jun-2017 03:35	Sequence Name:	08-jun-17
User Name:	niteen gapat		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μ AU*min	Rel.Area %	Asymmetry (EP)	Plates (USP)
Total:			0.000	0.00		