

Assay Method Validation

Product name :	Ramithiazide Tablets
Lable claim :	Ramipril 10 mg & Hydrochlorothiazide 25 mg
B. No. :	GP170403
Test :	Robustness (Increase pH 2.7)
Average wt (mg) :	196.2

Analysis Date: 10-Jun-17

Name of standard	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	99.8	24.51	25 mL; 2 mL ->100 mL	19.6
Hydrochlorothiazide	99.9	25.10	25 mL; 5 mL ->100 mL	50.2

Injection No.	Hydrochlorothiazide		Ramipril	
	Retention Time	Area of Standard	Retention Time	Area of Standard
1	2.182	14447.885	4.042	9010.097
2	2.178	14446.057	4.042	9009.127
3	2.179	14467.924	4.042	9007.450
4	2.179	14449.942	4.043	9065.226
5	2.181	14462.214	4.041	9027.318
6	2.179	14485.684	4.043	9026.685
Average	2.180	14459.951	4.042	9024.317
SD	0.002	15.30	0.001	21.93
%RSD	0.07	0.11	0.02	0.24

System suitability results		
% RSD of HCTZ	0.11	NMT 2.0%
% RSD of Ramipril	0.24	NMT 2.0%
Theoretical of HCTZ	3475	NLT 2000
Theoretical of Ramipril	5019	NLT 2000
Tailing of HCTZ	1.19	NMT 2.0
Tailing of Ramipril	1.10	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	480.5	13884.494	9179.972	98.3	101.6
2	481.3	13885.520	9183.220	98.1	101.4
			Average	98.2	101.5
			SD	0.11	0.09
			%RSD	0.1	0.1

Done by: 
Date: 21-Jun-17

Checked by: 
Date:

Assay Method Validation

Product name :	Ramithiazide Tablets
Lable claim :	Ramipril 10 mg & Hydrochlorothiazide 25 mg
B. No. :	GP170403
Test :	Robustness (Organic content decrease)
Average wt (mg) :	196.2

Analysis Date: 10-Jun-17

Name of standard	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	99.8	24.51	25 mL; 2 mL ->100 mL	19.6
Hydrochlorothiazide	99.9	25.10	25 mL; 5 mL ->100 mL	50.2

Injection No.	Hydrochlorothiazide		Ramipril	
	Retention Time	Area of Standard	Retention Time	Area of Standard
1	2.219	14291.989	4.476	8557.457
2	2.218	14310.516	4.478	8635.363
3	2.220	14331.658	4.477	8652.819
4	2.219	14320.711	4.479	8645.791
5	2.222	14318.285	4.485	8611.312
6	2.224	14296.819	4.484	8616.308
Average	2.220	14311.663	4.480	8619.842
SD	0.002	15.06	0.004	34.58
%RSD	0.10	0.11	0.08	0.40

System suitability results		
% RSD of HCTZ	0.11	NMT 2.0%
% RSD of Ramipril	0.40	NMT 2.0%
Theoretical of HCTZ	3881	NLT 2000
Theoretical of Ramipril	5847	NLT 2000
Tailing of HCTZ	1.30	NMT 2.0
Tailing of Ramipril	1.13	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	480.5	13841.538	8634.842	99.0	100.0
2	481.3	13853.228	8678.958	98.9	100.4
		Average		99.0	100.2
		SD		0.06	0.24
		%RSD		0.1	0.2

Done by: *[Signature]*
Date: 21-Jun-17

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Date: 22-Jun-17

Assay Method Validation

Product name :	Ramithiazide Tablets
Lable claim :	Ramipril 10 mg & Hydrochlorothiazide 25 mg
B. No. :	GP170403
Test :	Robustness (Organic content Increase)
Average wt (mg) :	196.2

Analysis Date: 10-Jun-17

Name of standard	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	99.8	24.51	25 mL; 2 mL ->100 mL	19.6
Hydrochlorothiazide	99.9	25.10	25 mL; 5 mL ->100 mL	50.2

Injection No.	Hydrochlorothiazide		Ramipril	
	Retention Time	Area of Standard	Retention Time	Area of Standard
1	2.130	14424.323	3.660	8876.097
2	2.130	14444.173	3.660	8956.439
3	2.131	14418.482	3.661	8868.359
4	2.131	14405.059	3.661	8932.150
5	2.133	14476.500	3.662	8985.957
6	2.131	14456.031	3.665	8832.328
Average	2.131	14437.428	3.662	8908.555
SD	0.001	26.44	0.002	58.86
%RSD	0.05	0.18	0.05	0.66

System suitability results		
% RSD of HCTZ	0.18	NMT 2.0%
% RSD of Ramipril	0.66	NMT 2.0%
Theoretical of HCTZ	3757	NLT 2000
Theoretical of Ramipril	5015	NLT 2000
Tailing of HCTZ	1.26	NMT 2.0
Tailing of Ramipril	1.16	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	480.5	13901.264	8958.946	98.6	100.4
2	481.3	13891.827	9005.721	98.3	100.8
			Average	98.4	100.6
			SD	0.16	0.25
			%RSD	0.2	0.3

Done by:
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21-Jun-17

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Date:

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22 Jun 17

Assay Method Validation

Product name :	Ramithiazide Tablets
Lable claim :	Ramipril 10 mg & Hydrochlorothiazide 25 mg
B. No. :	GP170403
Test :	Robustness (Decrease pH 2.3)
Average wt (mg) :	196.2

Analysis Date: 10-Jun-17

Name of standard	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	99.8	24.51	25 mL; 2 mL ->100 mL	19.6
Hydrochlorothiazide	99.9	25.10	25 mL; 5 mL ->100 mL	50.2

Injection No.	Hydrochlorothiazide		Ramipril	
	Retention Time	Area of Standard	Retention Time	Area of Standard
1	2.183	14401.658	4.062	9006.866
2	2.181	14426.220	4.061	9031.330
3	2.183	14490.873	4.060	9025.636
4	2.183	14469.732	4.063	8992.305
5	2.182	14460.213	4.062	9036.032
6	2.183	14462.756	4.059	8993.402
Bkt Std	2.183	14514.323	4.063	8976.890
Average	2.183	14460.825	4.061	9008.923
SD	0.001	32.27	0.001	19.32
%RSD	0.04	0.22	0.04	0.21

System suitability results		
% RSD of HCTZ	0.22	NMT 2.0%
% RSD of Ramipril	0.21	NMT 2.0%
Theoretical of HCTZ	3390	NLT 2000
Theoretical of Ramipril	4532	NLT 2000
Tailing of HCTZ	1.19	NMT 2.0
Tailing of Ramipril	1.07	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	480.5	13898.747	9082.182	98.4	100.7
2	481.3	13885.231	9076.546	98.1	100.4
			Average	98.3	100.6
			SD	0.18	0.16
			%RSD	0.2	0.2

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21-Jun-17

Checked by:
Date:

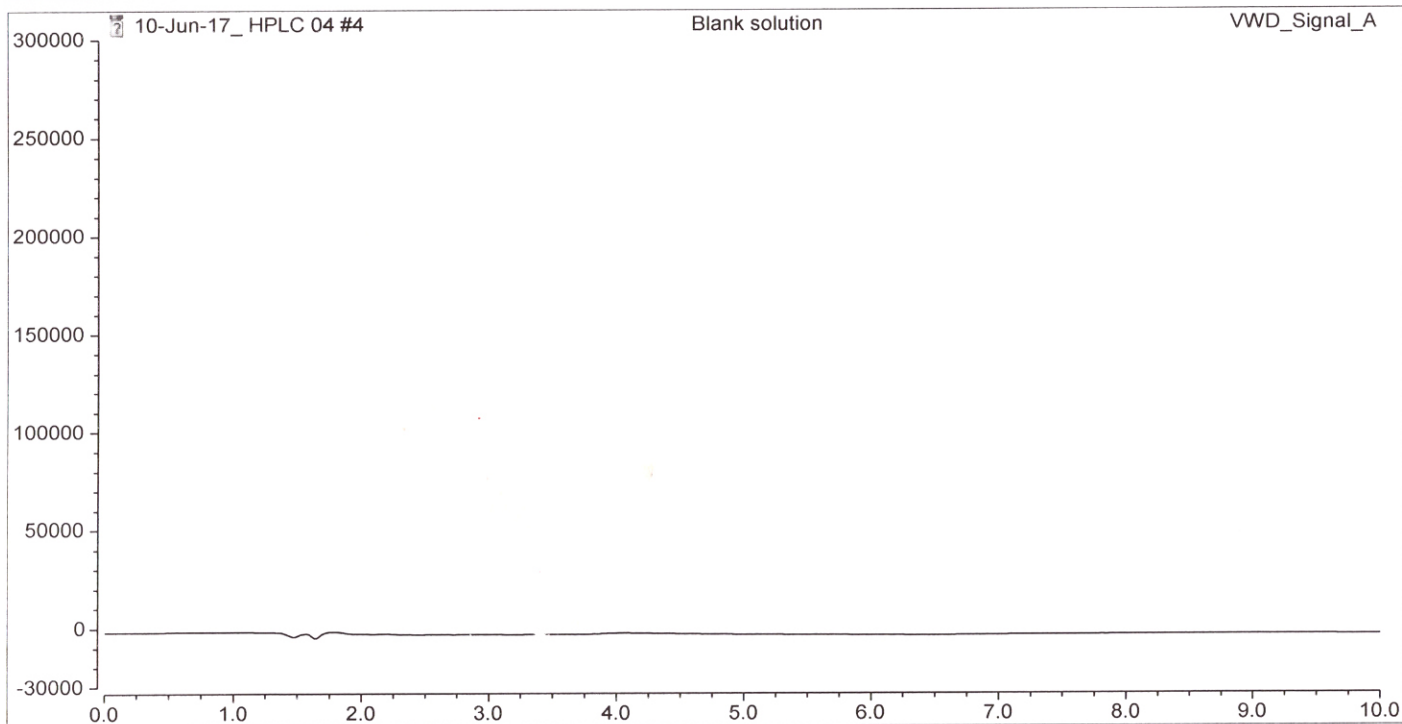
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21-Jun-17

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	Vial:1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ A	Bandwidth:	n.a.
Processing Method:	PR Method 1	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 21:30	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

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

Pankaj
21-Jun-17

Default/Integration

Pankaj
22-Jun-17

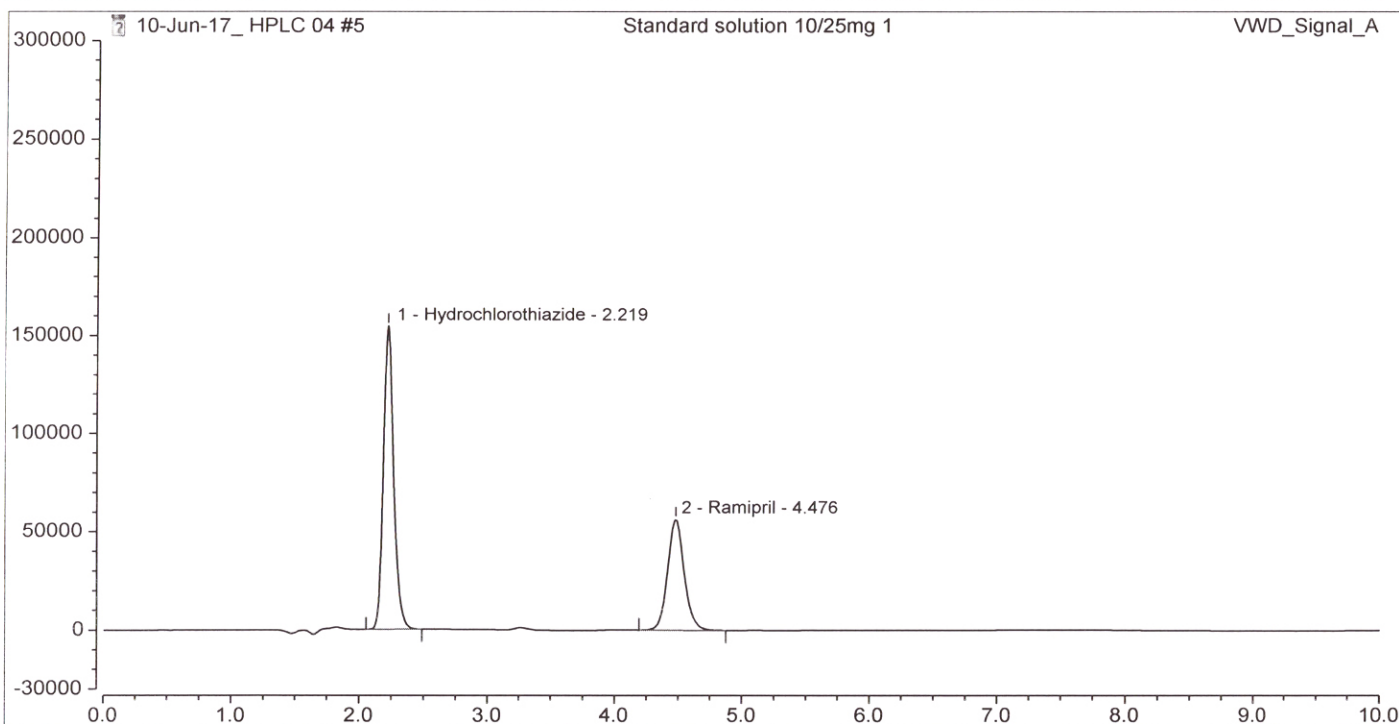
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 1	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_A	Bandwidth:	n.a.
Processing Method:	PR Method 1	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 21:41	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.219	14291.989	3881	1.30	11.99	62.55
2	Ramipril	4.476	8557.457	5847	1.13	n.a.	37.45
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
21-Jun-17

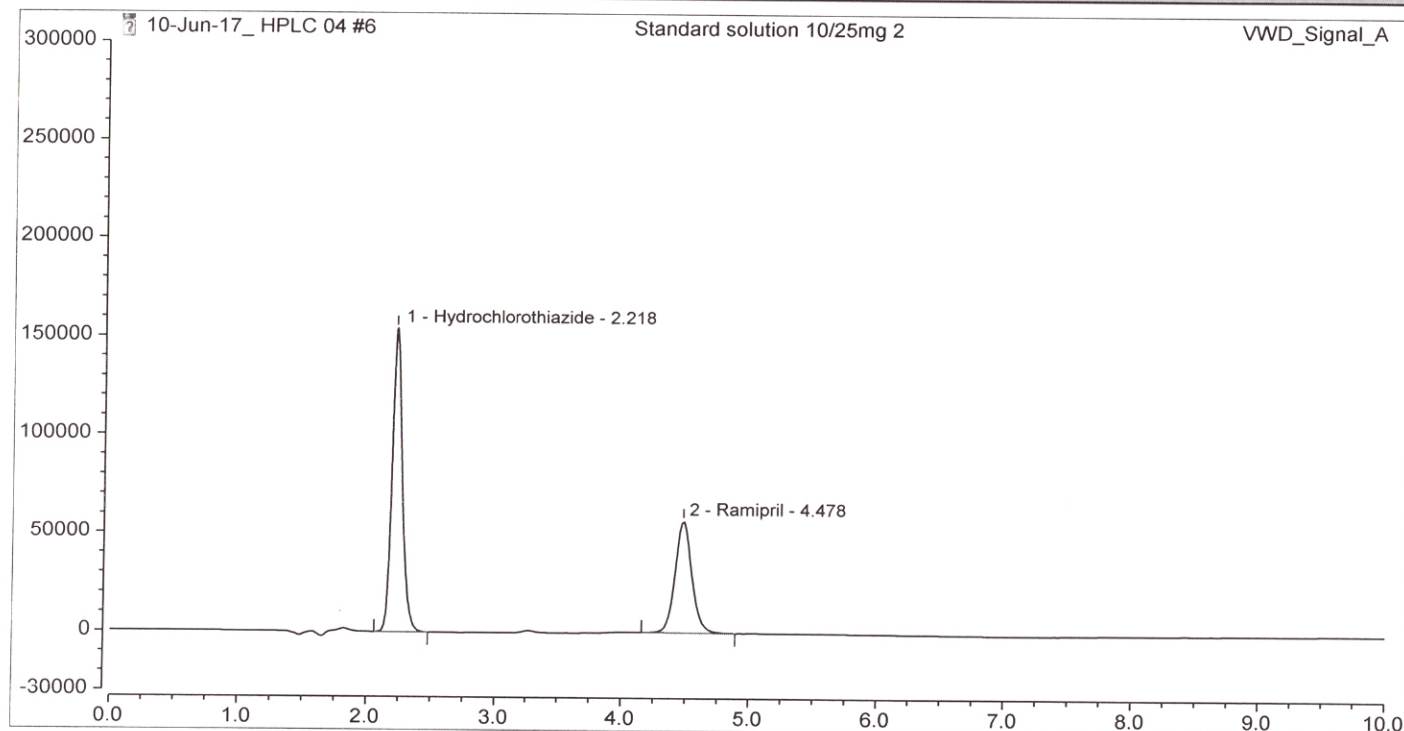
Chromleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 2	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ A	Bandwidth:	n.a.
Processing Method:	PR Method 1	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 21:53	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area μ AU*min	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.218	14310.516	3878	1.33	11.99	62.37
2	Ramipril	4.478	8635.363	5831	1.13	n.a.	37.63
Total:							

Pankaj Gurav
21-Jun-17

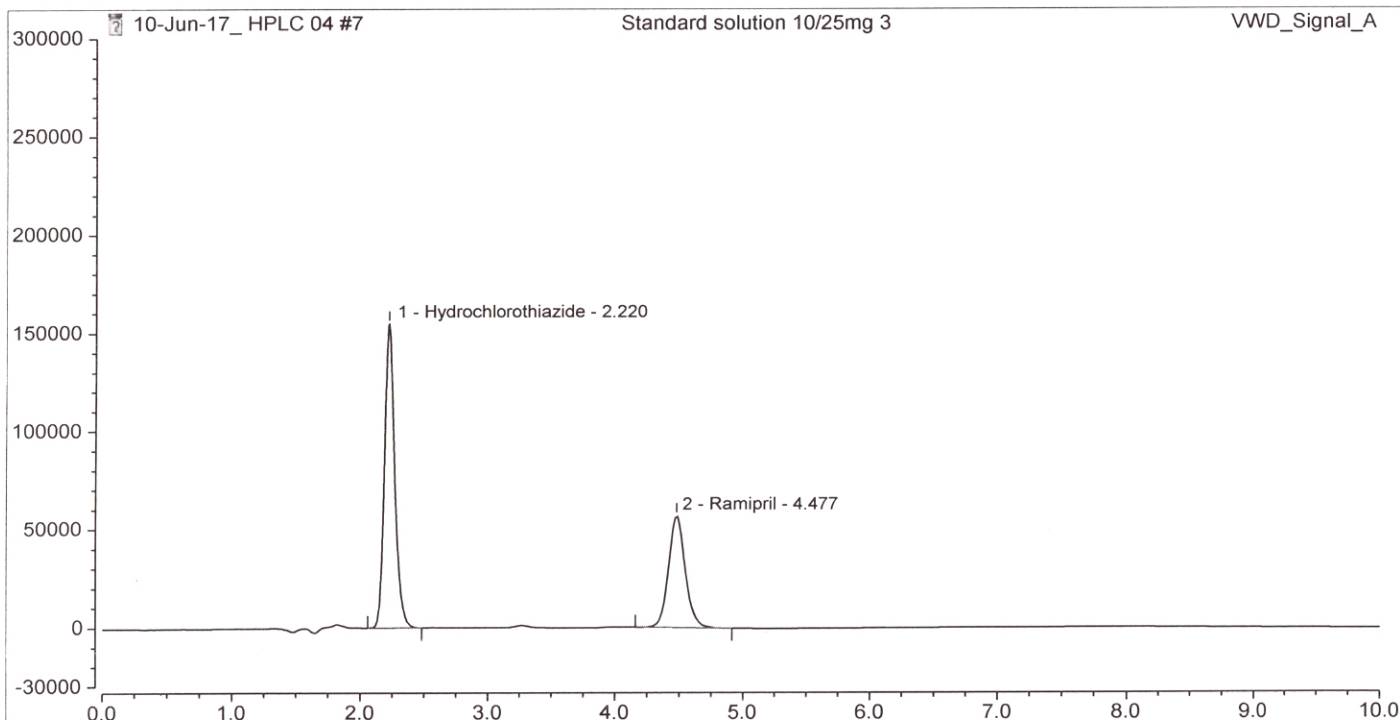
Default/Integration

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21-Jun-17

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QbD Research & Development Pvt.Ltd.**Injection Details**

Injection Name:	Standard solution 10/25mg 3	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ A	Bandwidth:	n.a.
Processing Method:	PR Method 1	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 22:05	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram**Integration Results**

No.	Peak Name	Retention Time min	Area $\mu\text{AU}\cdot\text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.220	14331.658	3883	1.29	11.97	62.35
2	Ramipril	4.477	8652.819	5825	1.13	n.a.	37.65
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
21-Jun-17

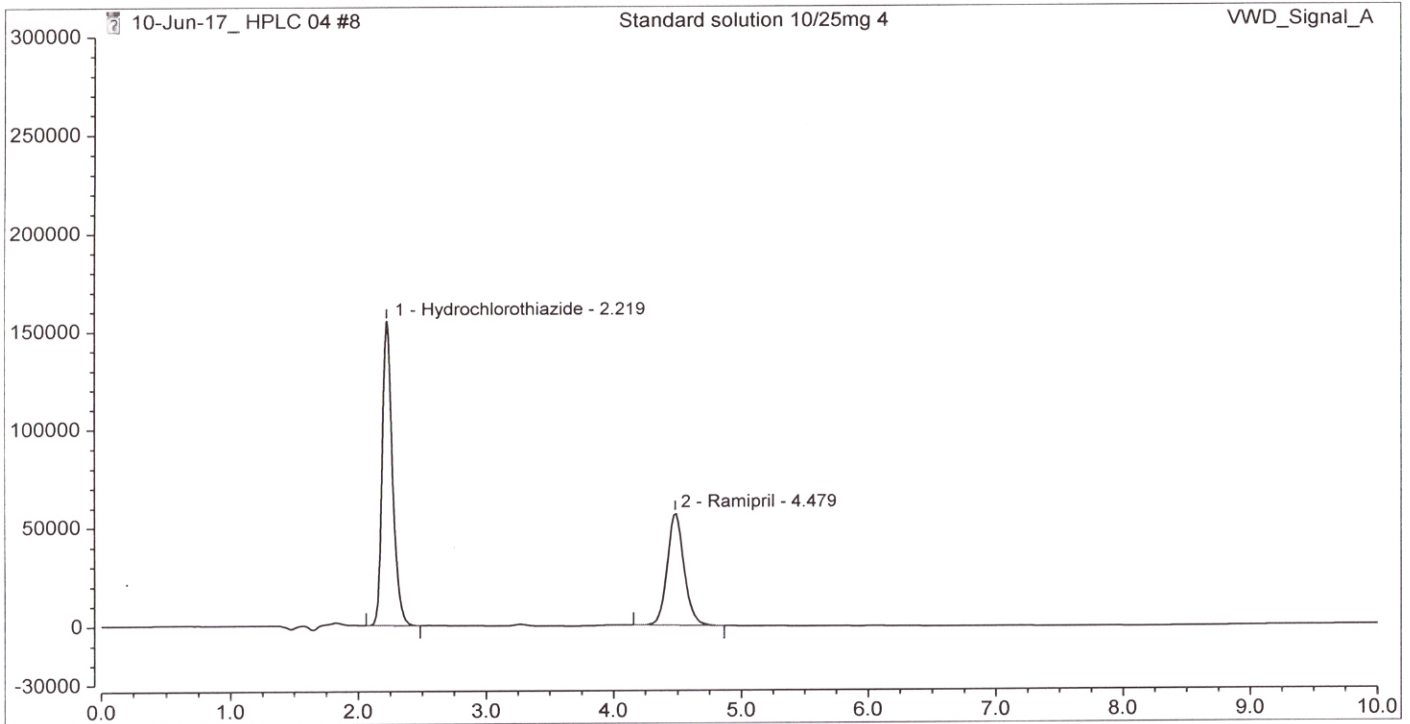
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 4	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ A	Bandwidth:	n.a.
Processing Method:	PR Method 1	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 22:16	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

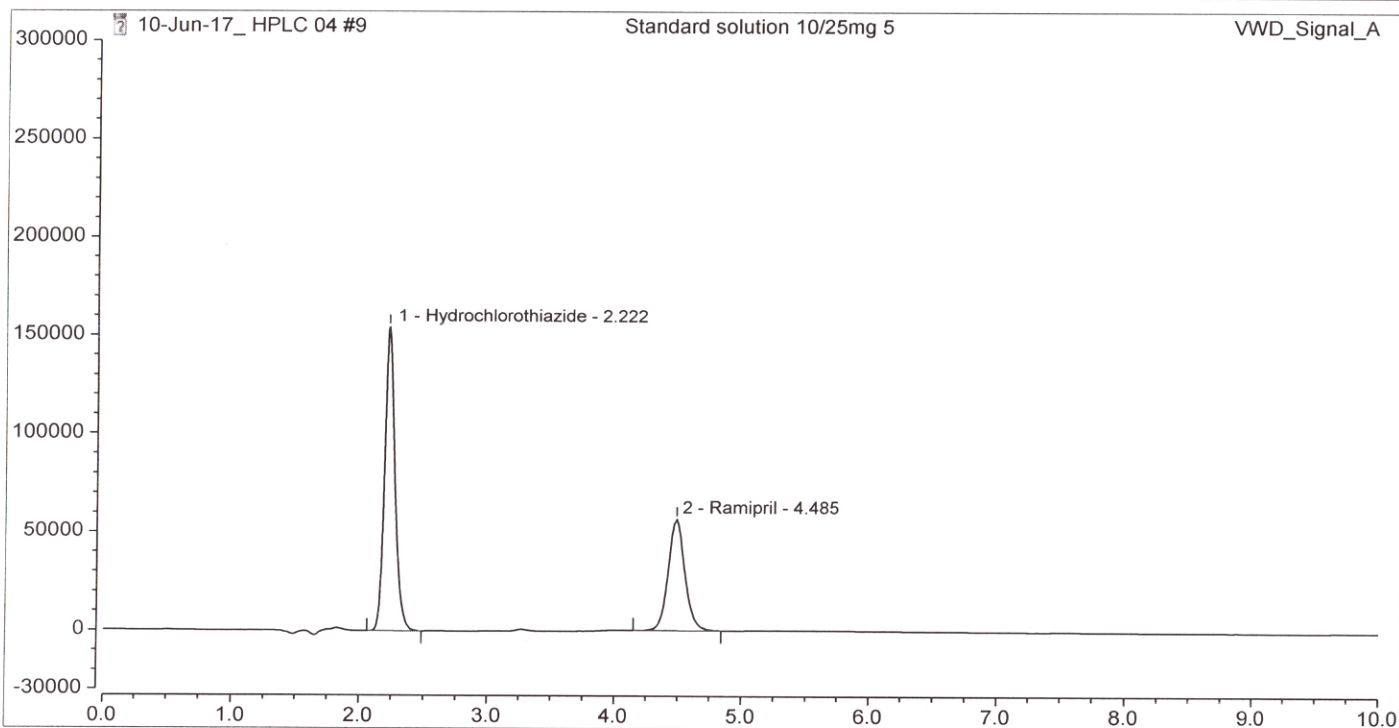
No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.219	14320.711	3889	1.33	11.99	62.35
2	Ramipril	4.479	8645.791	5830	1.13	n.a.	37.65
Total:							

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 5	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_A	Bandwidth:	n.a.
Processing Method:	PR Method 1	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 22:28	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.222	14318.285	3880	1.31	11.99	62.44
2	Ramipril	4.485	8611.312	5842	1.12	n.a.	37.56
Total:							

Pankaj
21-Jun-17

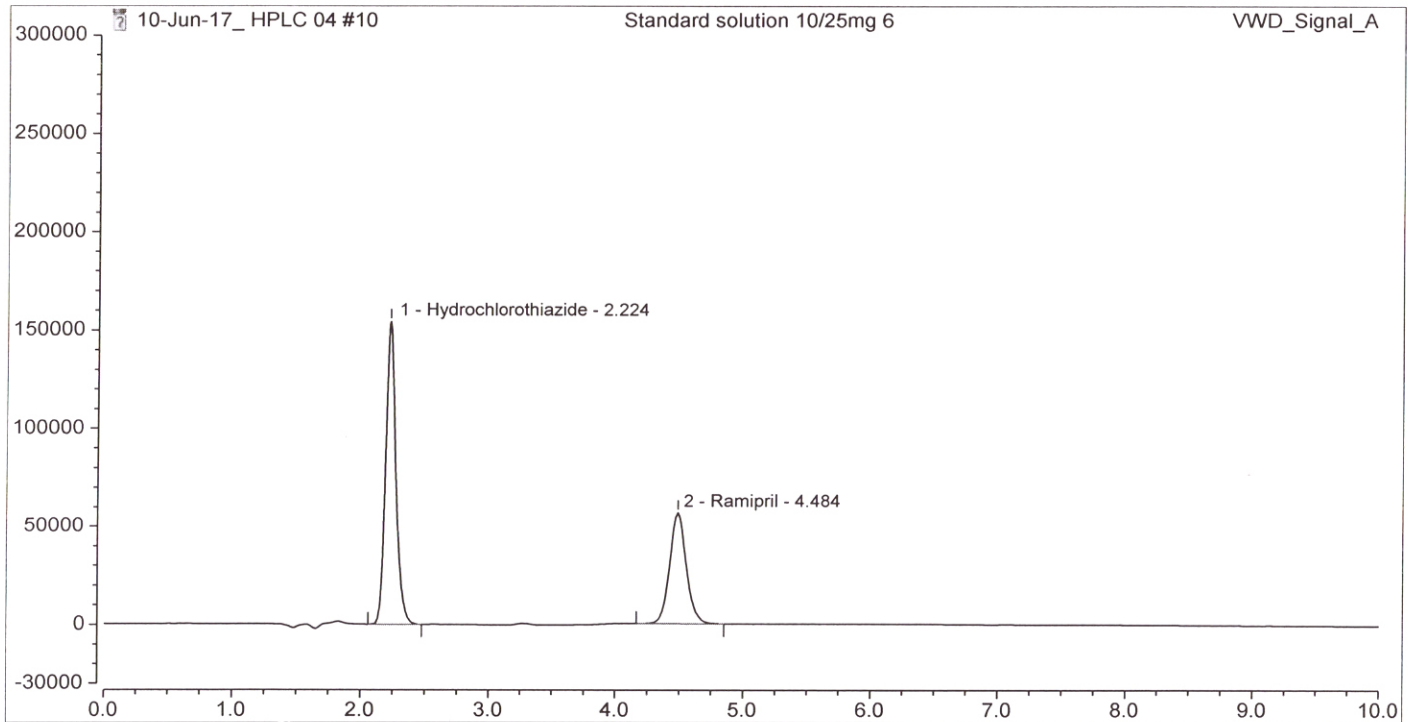
Default/Integration

Pankaj
22-Jun-17

Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.**Injection Details**

Injection Name:	Standard solution 10/25mg 6	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_A	Bandwidth:	n.a.
Processing Method:	PR Method 1	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 22:39	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram**Integration Results**

No.	Peak Name	Retention Time min	Area $\mu\text{AU}\cdot\text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.224	14296.819	3897	1.28	11.98	62.40
2	Ramipril	4.484	8616.308	5836	1.13	n.a.	37.60
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
22-Jun-17

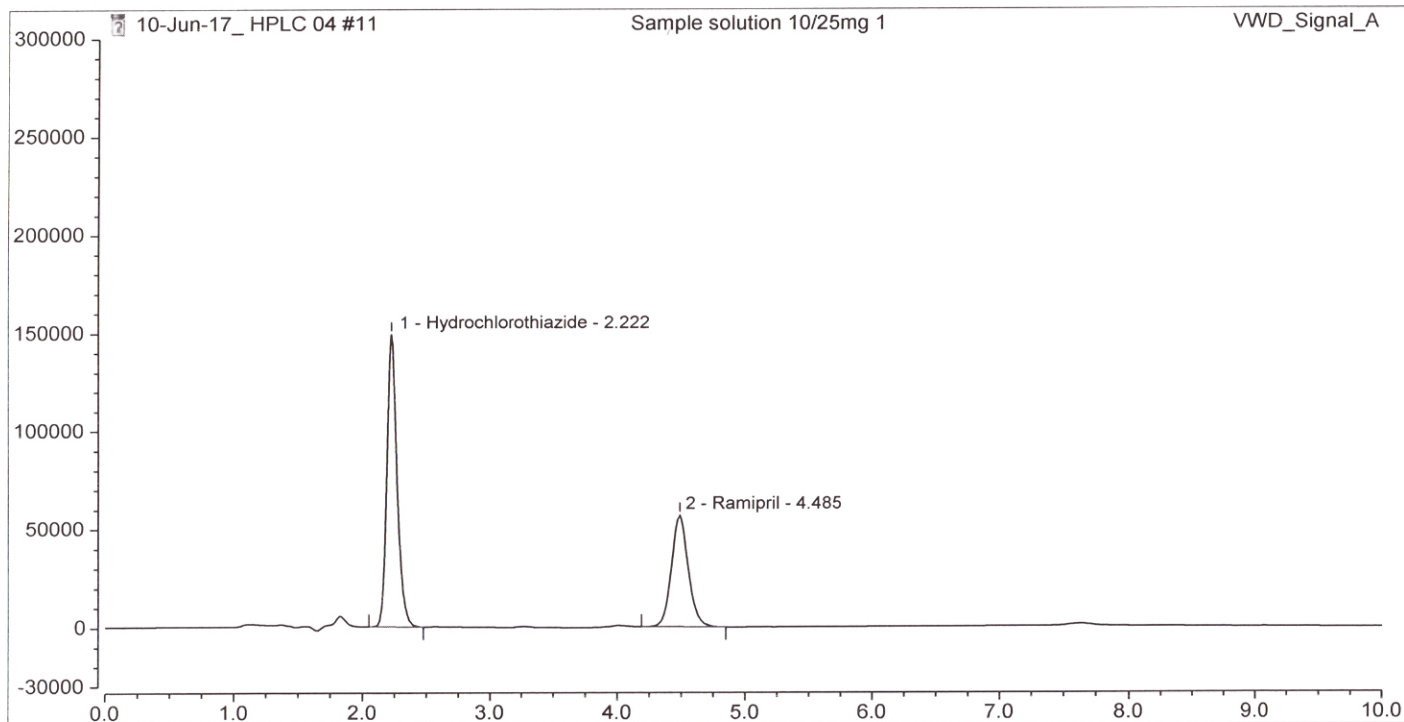
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.

Injection Details

Injection Name:	Sample solution 10/25mg 1	Run Time (min):	10.00
Vial Number:	Vial:3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ A	Bandwidth:	n.a.
Processing Method:	PR Method 1	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 22:51	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.222	13841.538	3872	1.31	11.98	61.58
2	Ramipril	4.485	8634.842	5830	1.12	n.a.	38.42
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
22-Jun-17

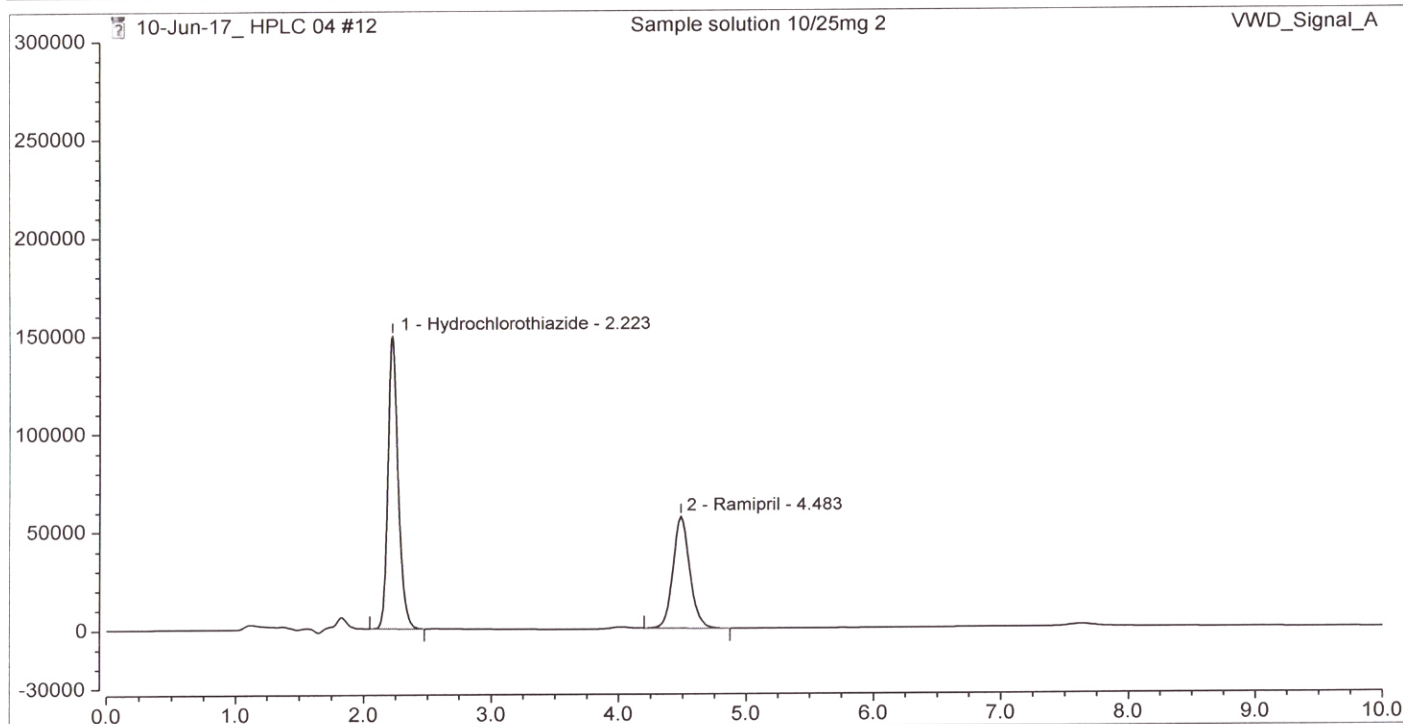
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Sample solution 10/25mg 2	Run Time (min):	10.00
Vial Number:	Vial:4	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ A	Bandwidth:	n.a.
Processing Method:	PR Method 1	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 23:02	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.223	13853.228	3877	1.28	11.96	61.48
2	Ramipril	4.483	8678.958	5824	1.13	n.a.	38.52
Total:							

21-Jun-17

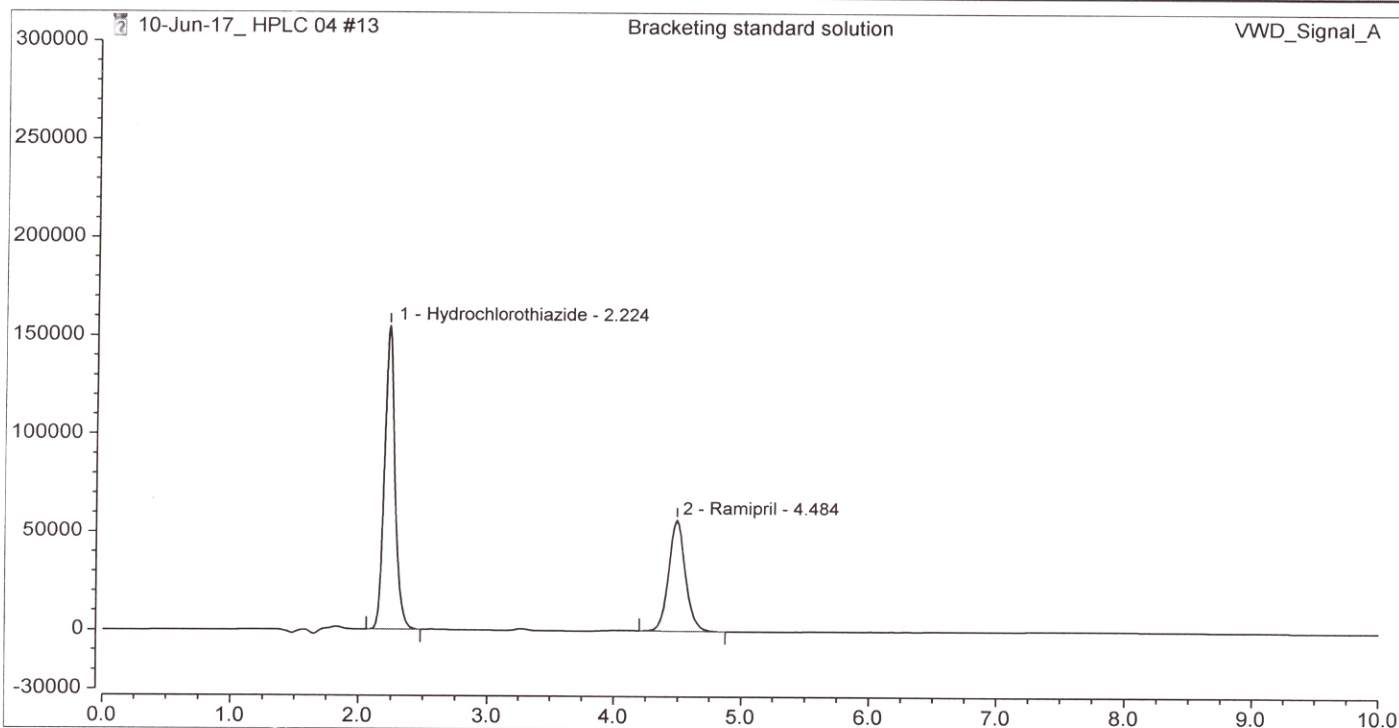
22-Jun-17

QbD Research & Developement Pvt.Ltd.

Injection Details

Injection Name:	Bracketing standard solution	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_A	Bandwidth:	n.a.
Processing Method:	PR Method 1	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 23:14	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.224	14329.994	3892	1.28	11.98	62.42
2	Ramipril	4.484	8627.896	5834	1.14	n.a.	37.58
Total:							

Pankaj
21-Jun-17

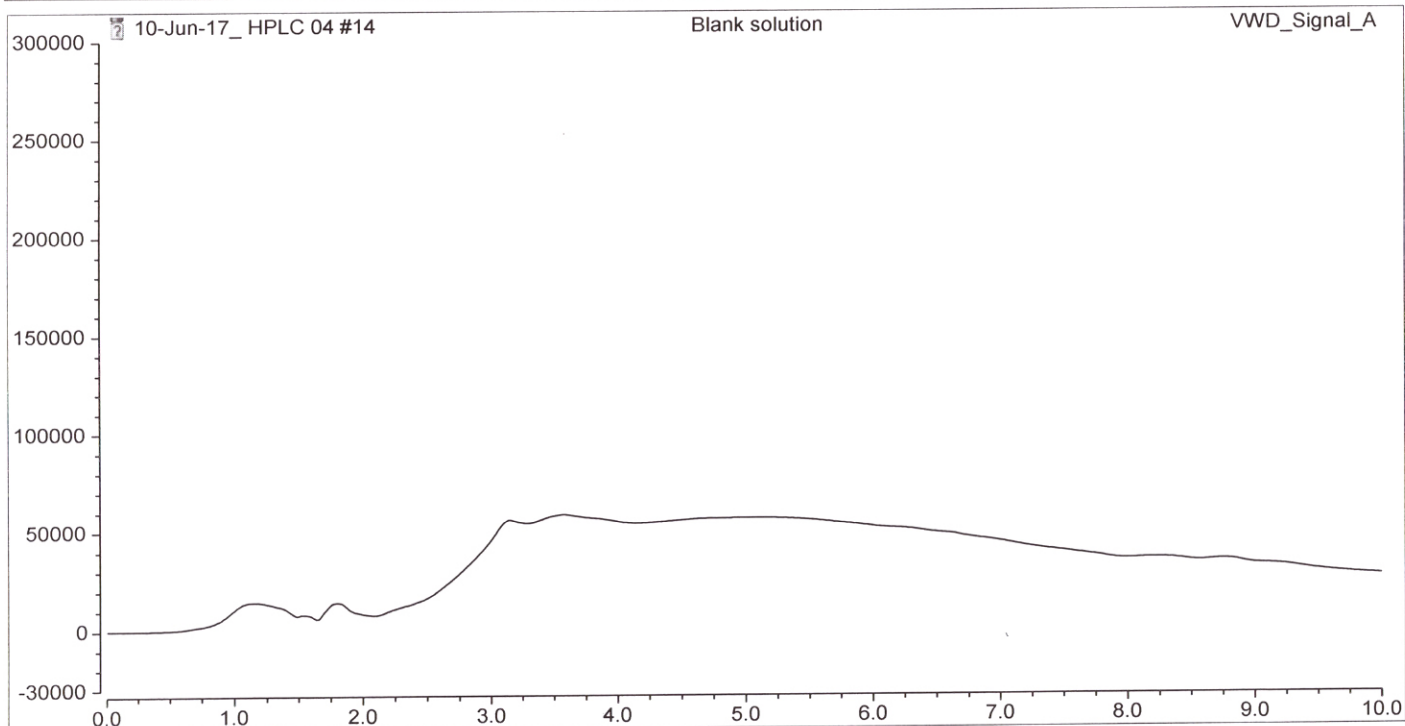
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22-Jun-17

Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.**Injection Details**

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	Vial:1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ B	Bandwidth:	n.a.
Processing Method:	PR Method 2	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 23:25	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram**Integration Results**

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

Pankaj
21-Jun-17

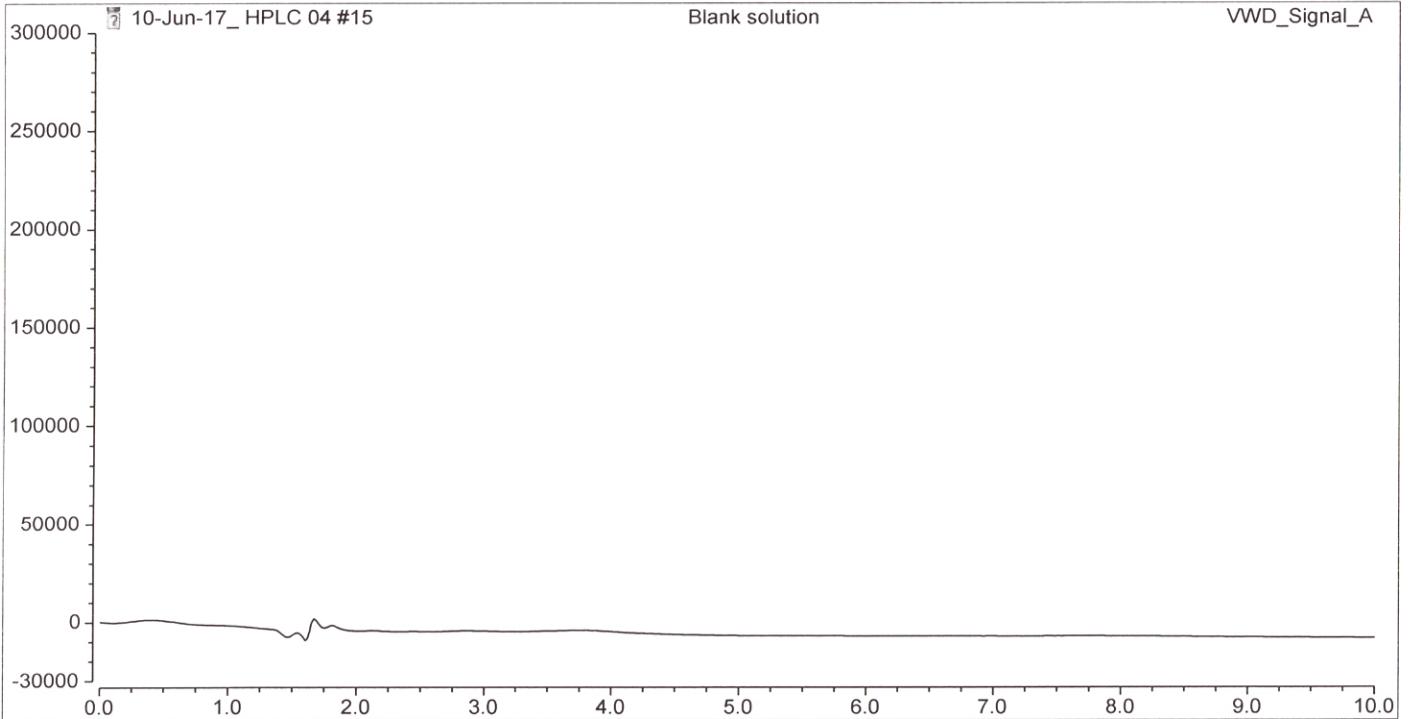
Default/Integration

Pankaj
22-Jun-17

Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.**Injection Details**

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	Vial:1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ B	Bandwidth:	n.a.
Processing Method:	PR Method 2	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 23:37	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram**Integration Results**

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

Pankaj
21-Jun-17

Default/Integration

Pankaj
22-Jun-17

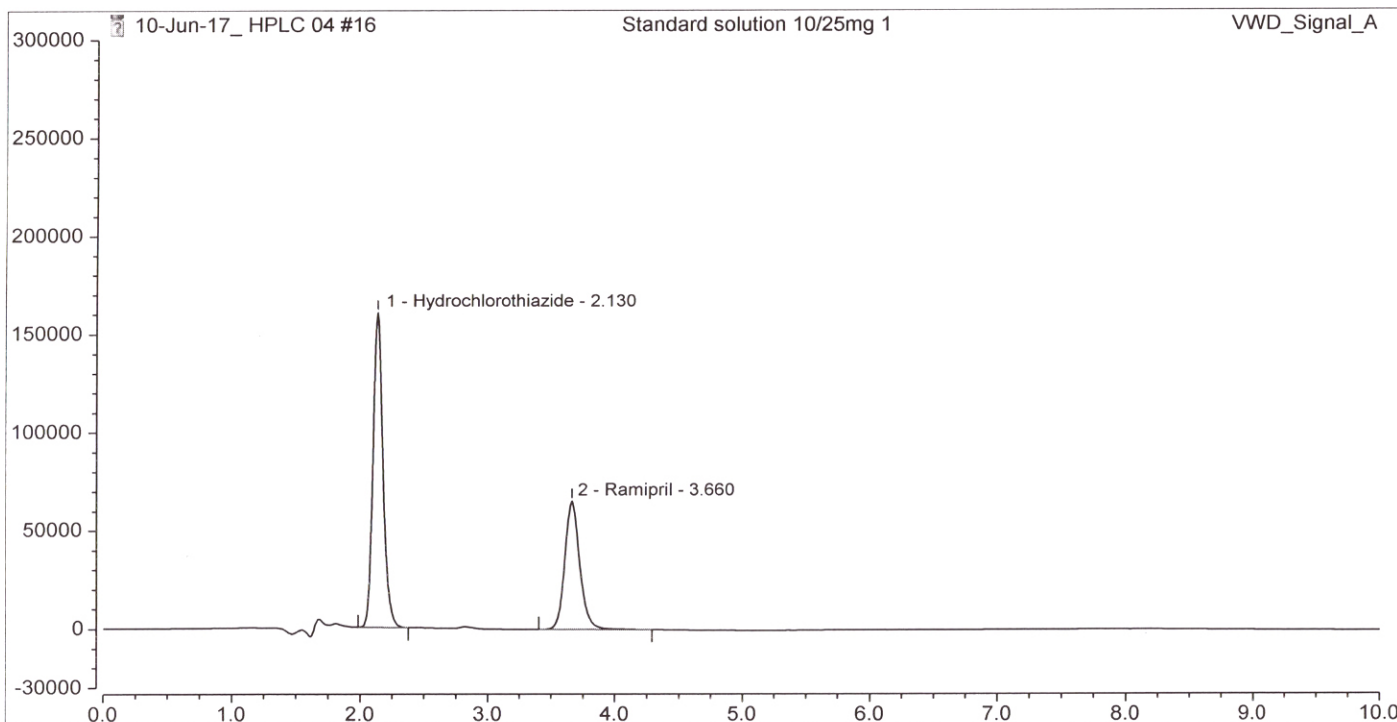
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 1	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_B	Bandwidth:	n.a.
Processing Method:	PR Method 2	Dilution Factor:	1.0000
Injection Date/Time:	10-Jun-17 23:48	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.130	14424.323	3757	1.26	8.85	61.91
2	Ramipril	3.660	8876.097	5015	1.16	n.a.	38.09
Total:							

Pankaj
21-Jun-17

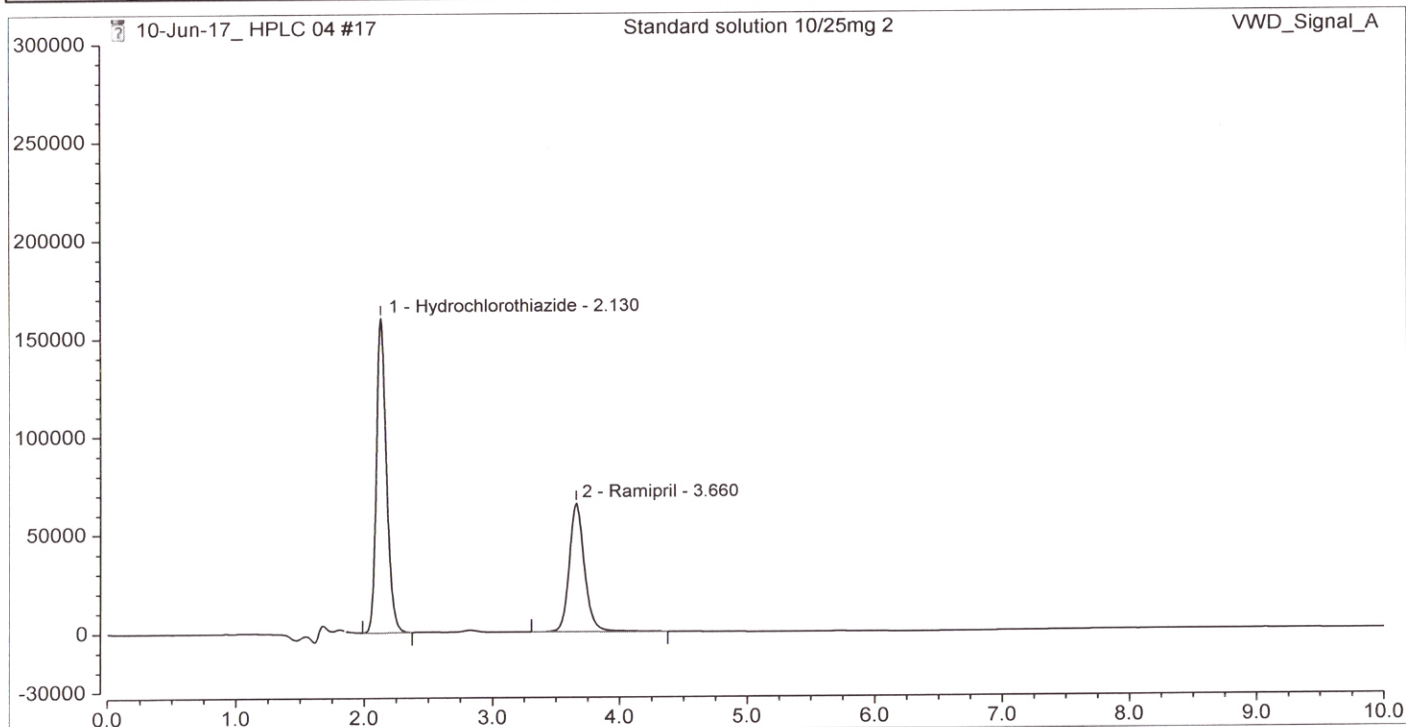
Default/Integration

Pankaj
21-Jun-17

Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.**Injection Details**

Injection Name:	Standard solution 10/25mg 2	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ B	Bandwidth:	n.a.
Processing Method:	PR Method 2	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 00:00	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram**Integration Results**

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.130	14444.173	3721	1.25	8.80	61.73
2	Ramipril	3.660	8956.439	4951	1.15	n.a.	38.27
Total:							

Pankaj
21-Jun-17

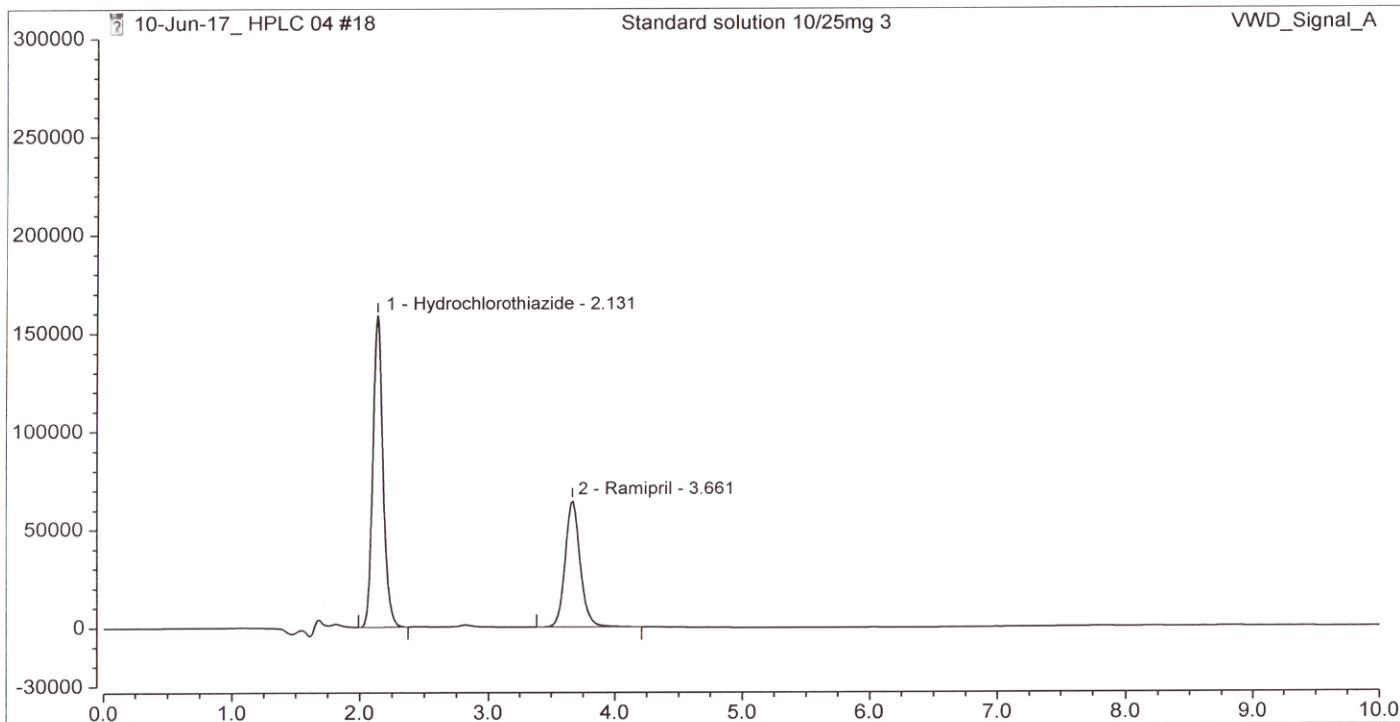
BRJani
22-Jun-17

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 3	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_ B	Bandwidth:	n.a.
Processing Method:	PR Method 2	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 00:11	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.131	14418.482	3670	1.23	8.74	61.92
2	Ramipril	3.661	8868.359	4883	1.14	n.a.	38.08
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
22-Jun-17

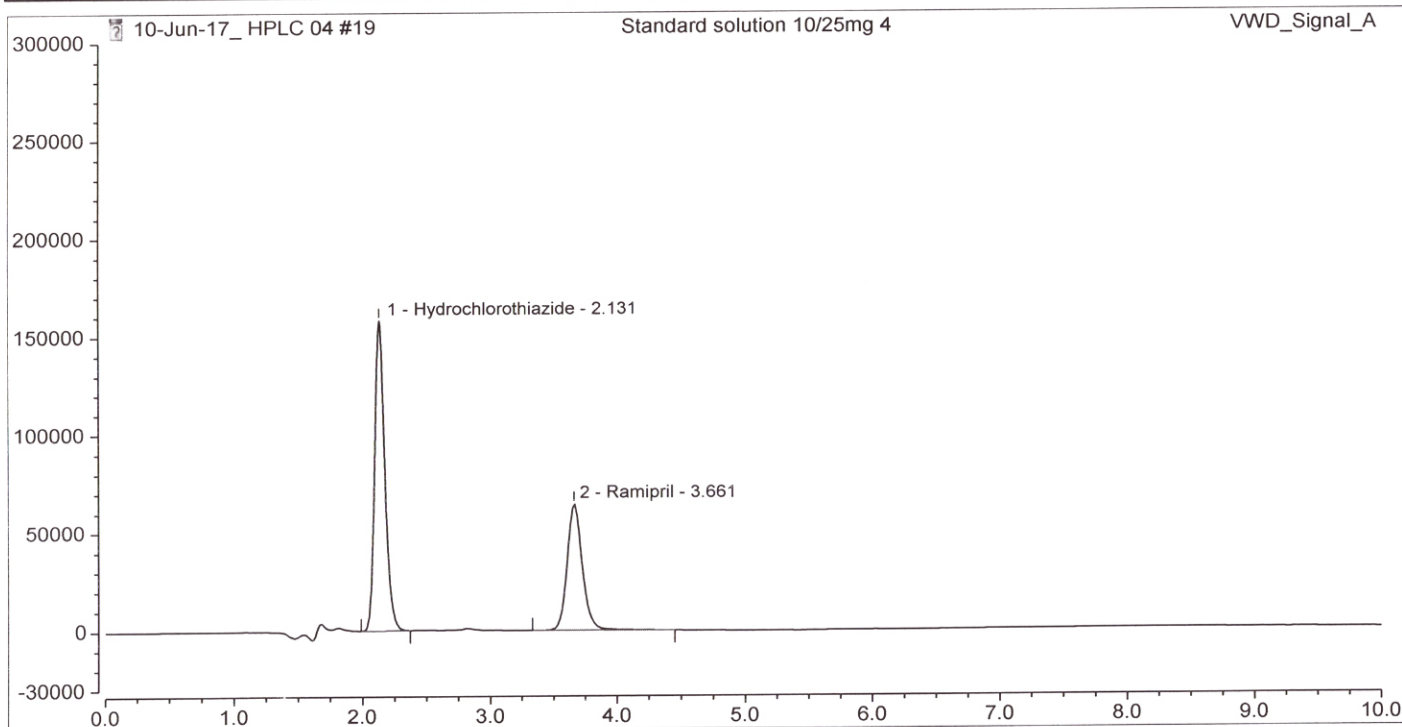
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 4	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ B	Bandwidth:	n.a.
Processing Method:	PR Method 2	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 00:23	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.131	14405.059	3619	1.24	8.67	61.73
2	Ramipril	3.661	8932.150	4809	1.15	n.a.	38.27
Total:							

Pankaj
21-Jun-17

Default/Integration

Pankaj
21-Jun-17

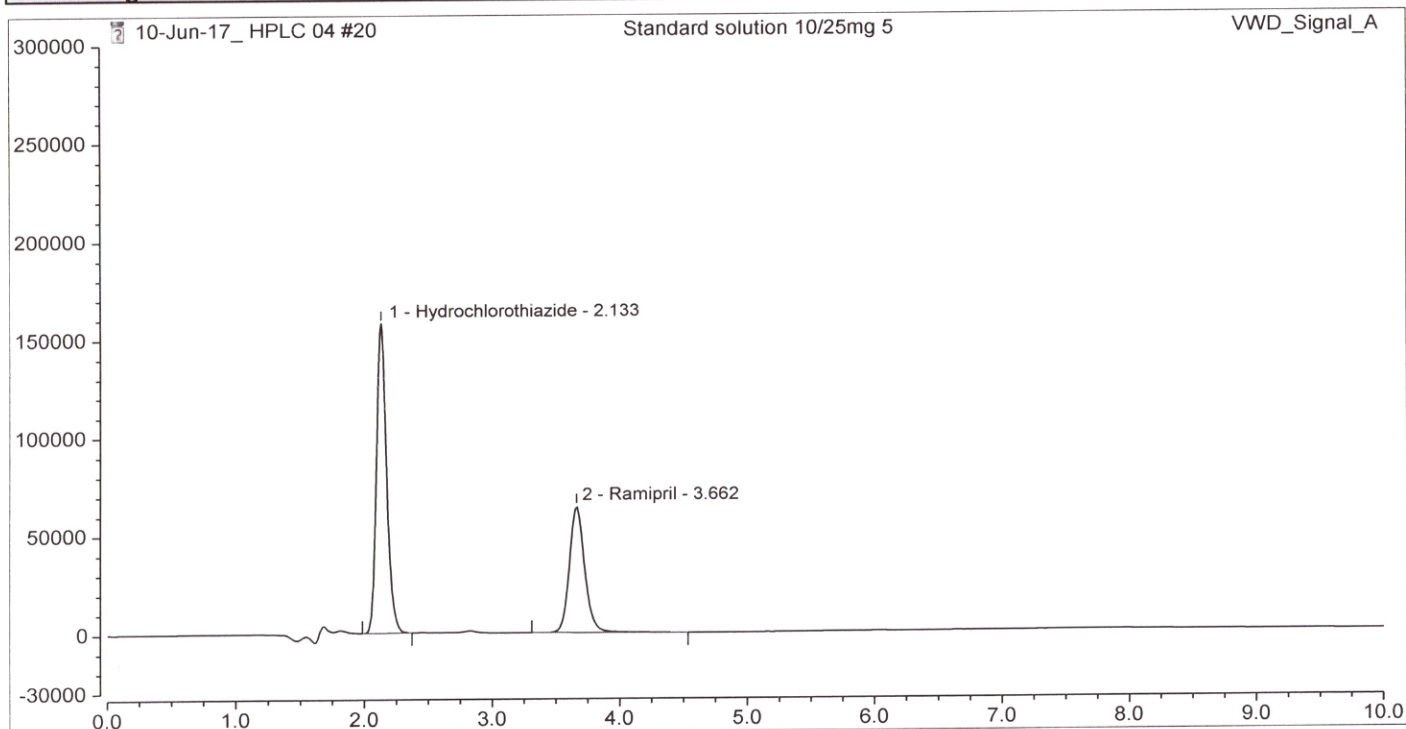
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 5	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ B	Bandwidth:	n.a.
Processing Method:	PR Method 2	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 00:34	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.133	14476.500	3576	1.21	8.62	61.70
2	Ramipril	3.662	8985.957	4757	1.14	n.a.	38.30
Total:							

Pankaj Gurav
21-Jun-17

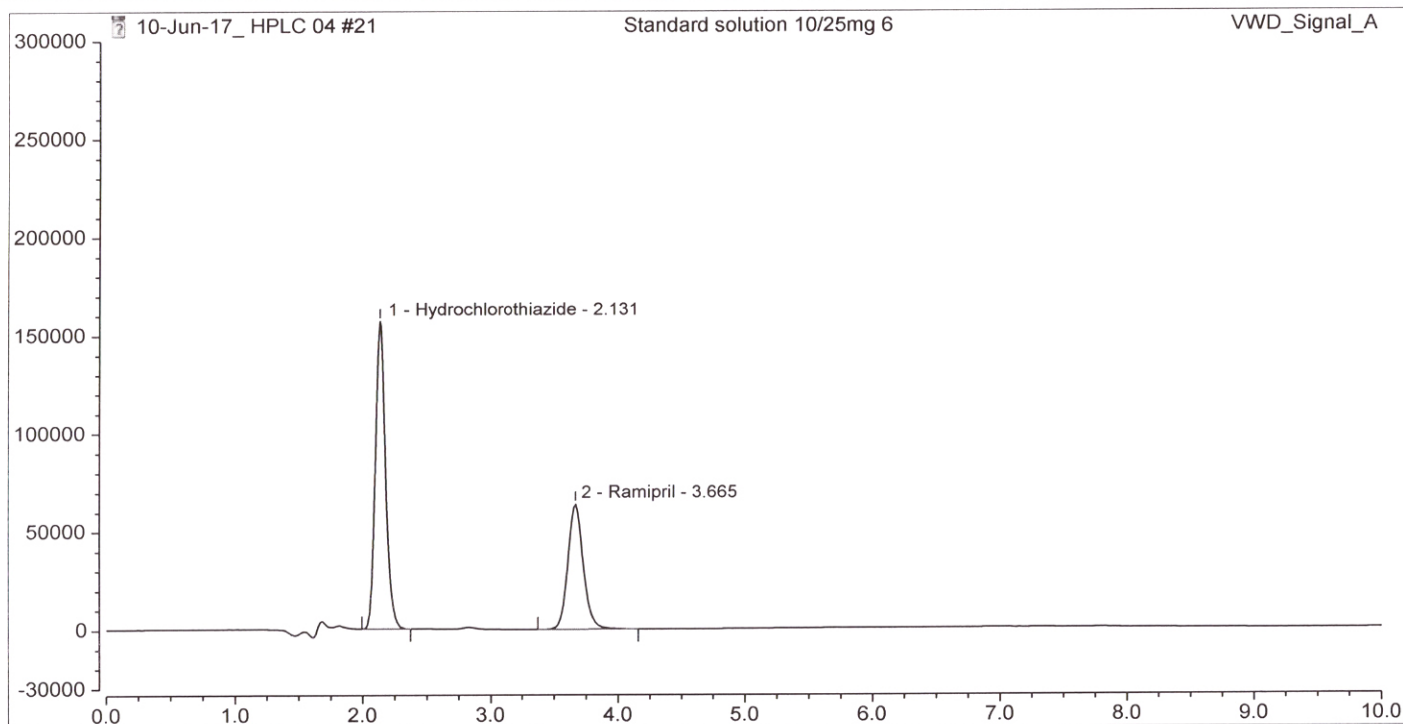
Pankaj Gurav
21-Jun-17

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 6	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ B	Bandwidth:	n.a.
Processing Method:	PR Method 2	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 00:46	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.131	14456.031	3526	1.22	8.59	62.07
2	Ramipril	3.665	8832.328	4710	1.11	n.a.	37.93
Total:							

QbD
21-Jun-17

Default/Integration

QbD
22-Jun-17

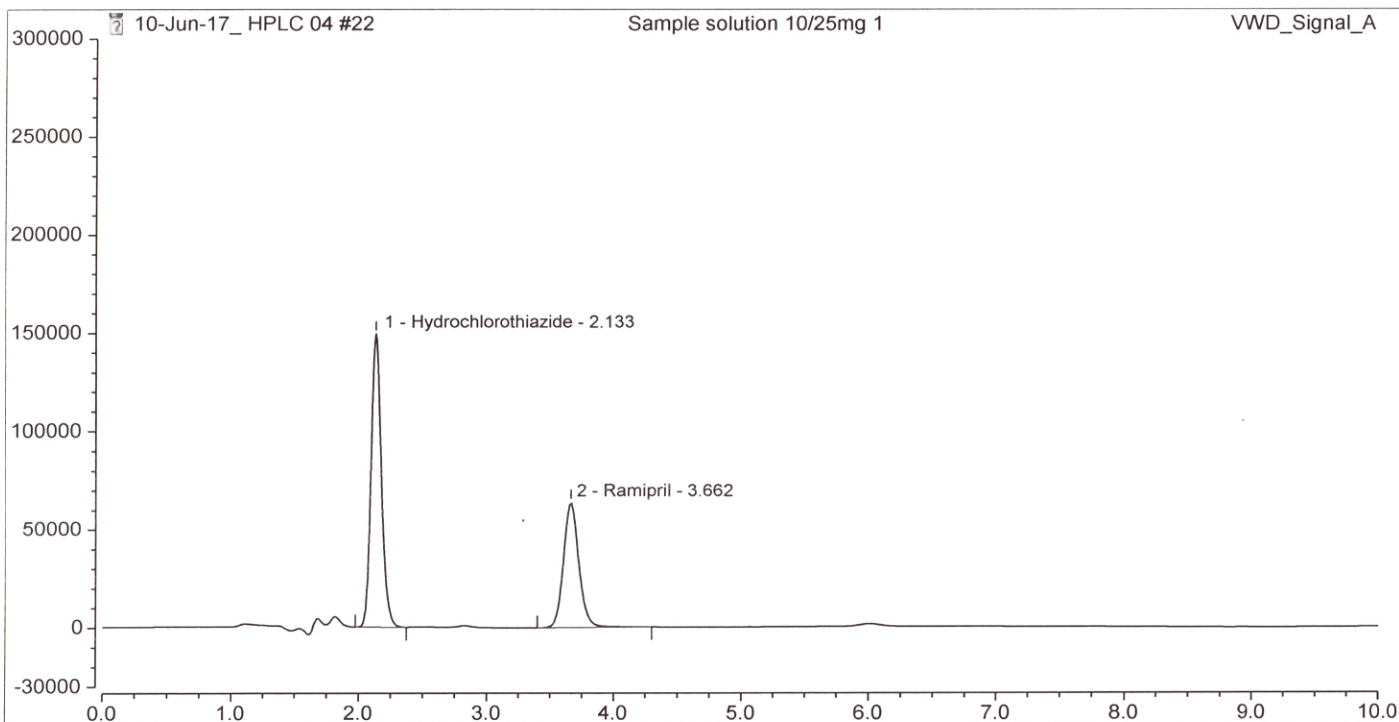
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Sample solution 10/25mg 1	Run Time (min):	10.00
Vial Number:	Vial:3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ B	Bandwidth:	n.a.
Processing Method:	PR Method 2	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 00:57	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU}\cdot\text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.133	13901.264	3475	1.20	8.50	60.81
2	Ramipril	3.662	8958.946	4626	1.13	n.a.	39.19
Total:							

Default/Integration

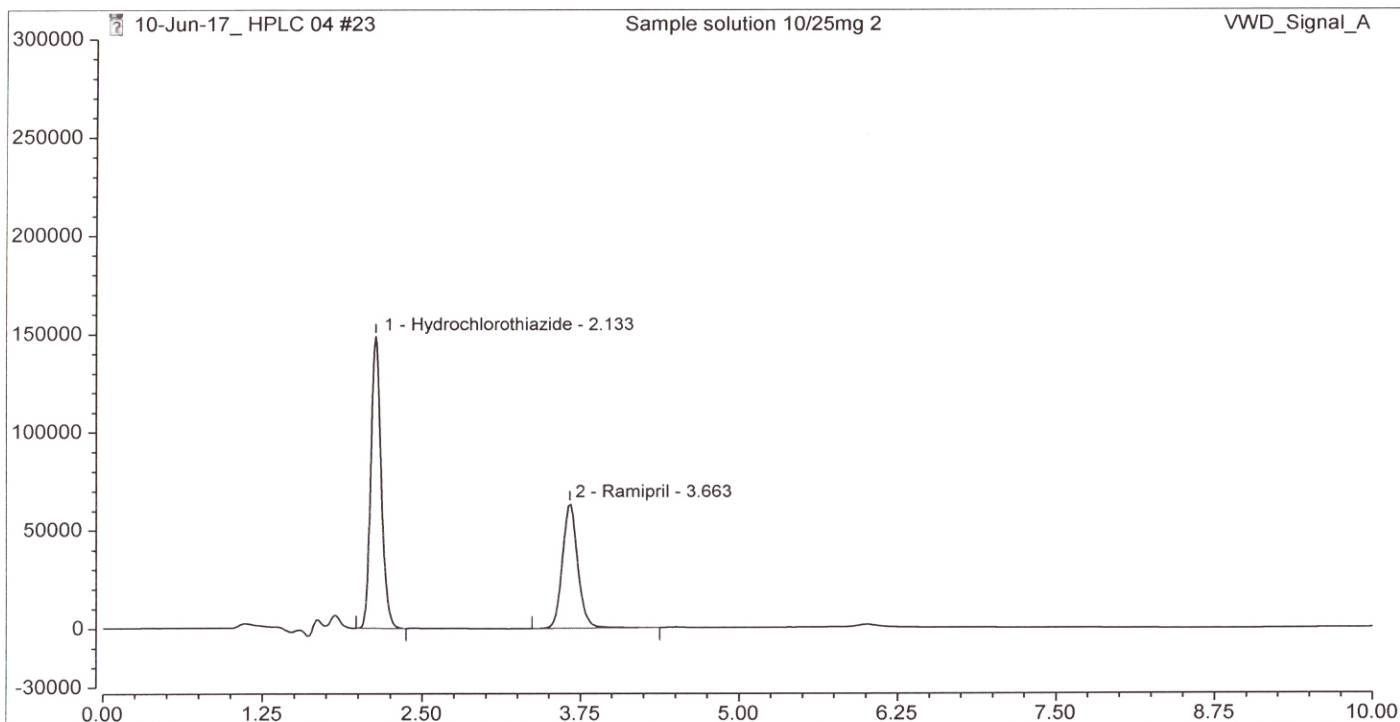
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.

Injection Details

Injection Name:	Sample solution 10/25mg 2	Run Time (min):	10.00
Vial Number:	Vial:4	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ B	Bandwidth:	n.a.
Processing Method:	PR Method 2	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 01:09	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.133	13891.827	3441	1.19	8.45	60.67
2	Ramipril	3.663	9005.721	4572	1.13	n.a.	39.33
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
21-Jun-17

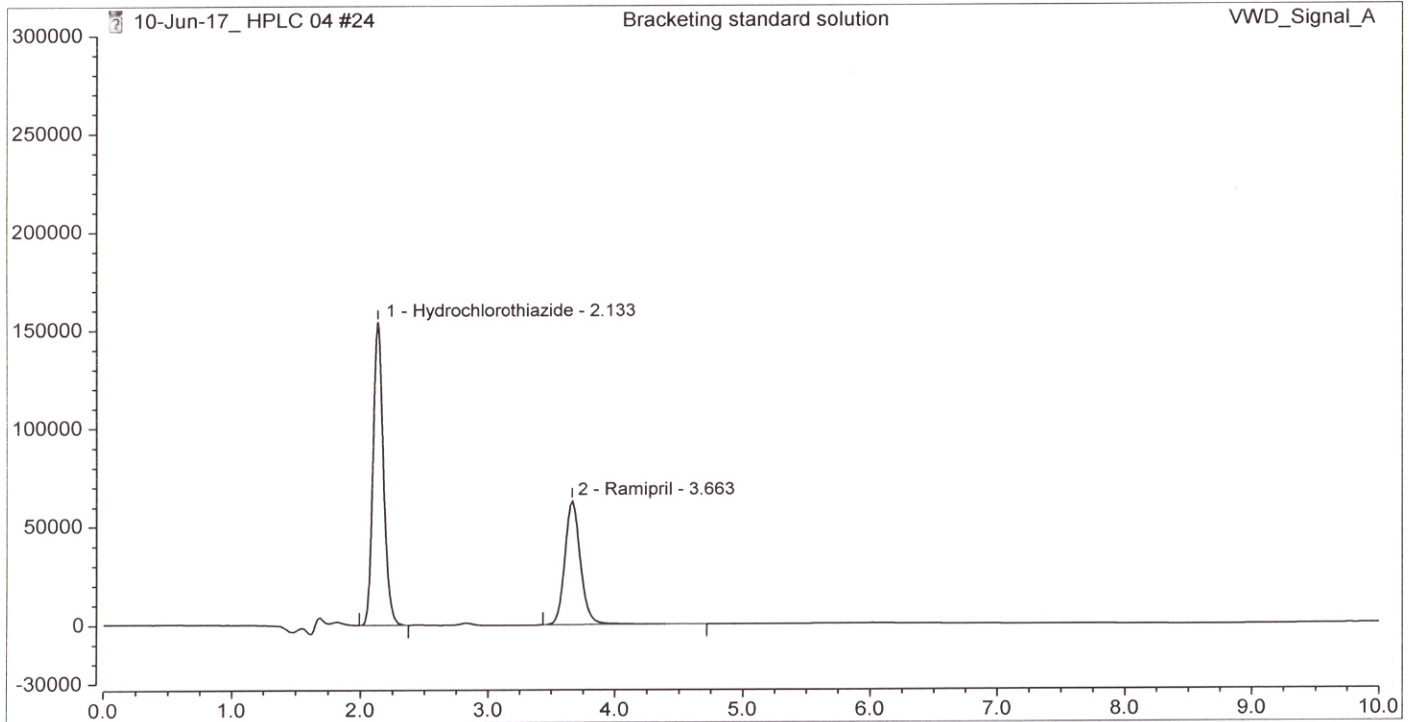
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Bracketing standard solution	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ B	Bandwidth:	n.a.
Processing Method:	PR Method 2	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 01:20	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU}\cdot\text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.133	14447.156	3412	1.19	8.43	61.65
2	Ramipril	3.663	8986.615	4563	1.13	n.a.	38.35
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

OK
22-Jun-17

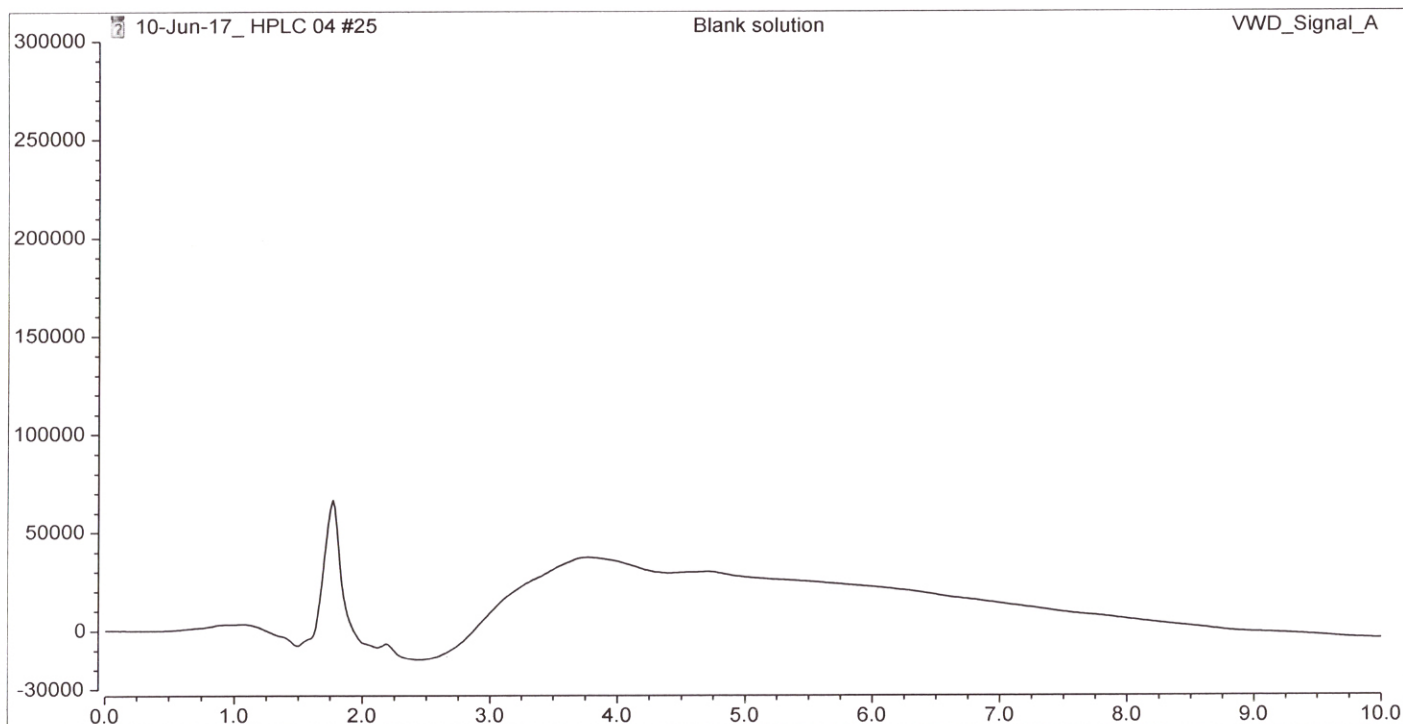
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	Vial:1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ C	Bandwidth:	n.a.
Processing Method:	PR Method 3	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 01:32	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

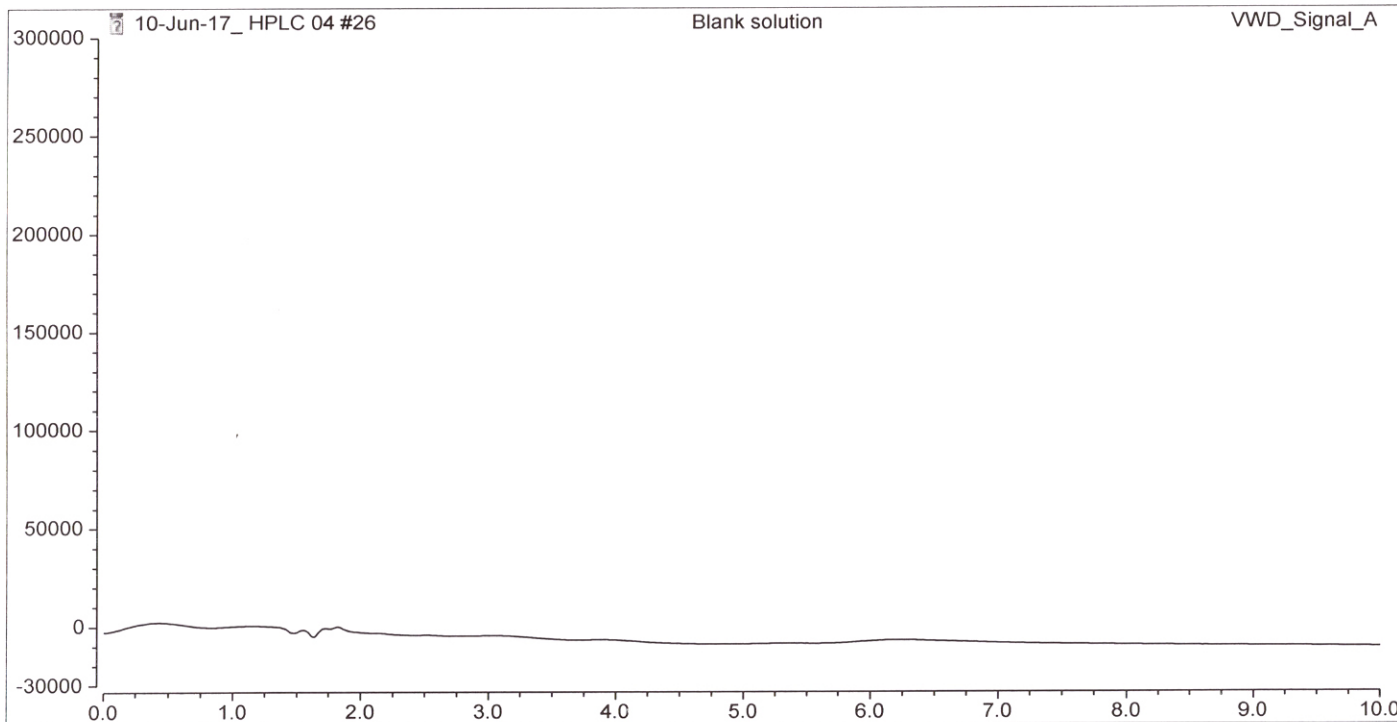
No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
Total:							

Default/Integration

Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.**Injection Details**

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	Vial:1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ C	Bandwidth:	n.a.
Processing Method:	PR Method 3	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 01:43	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram**Integration Results**

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

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
21-Jun-17

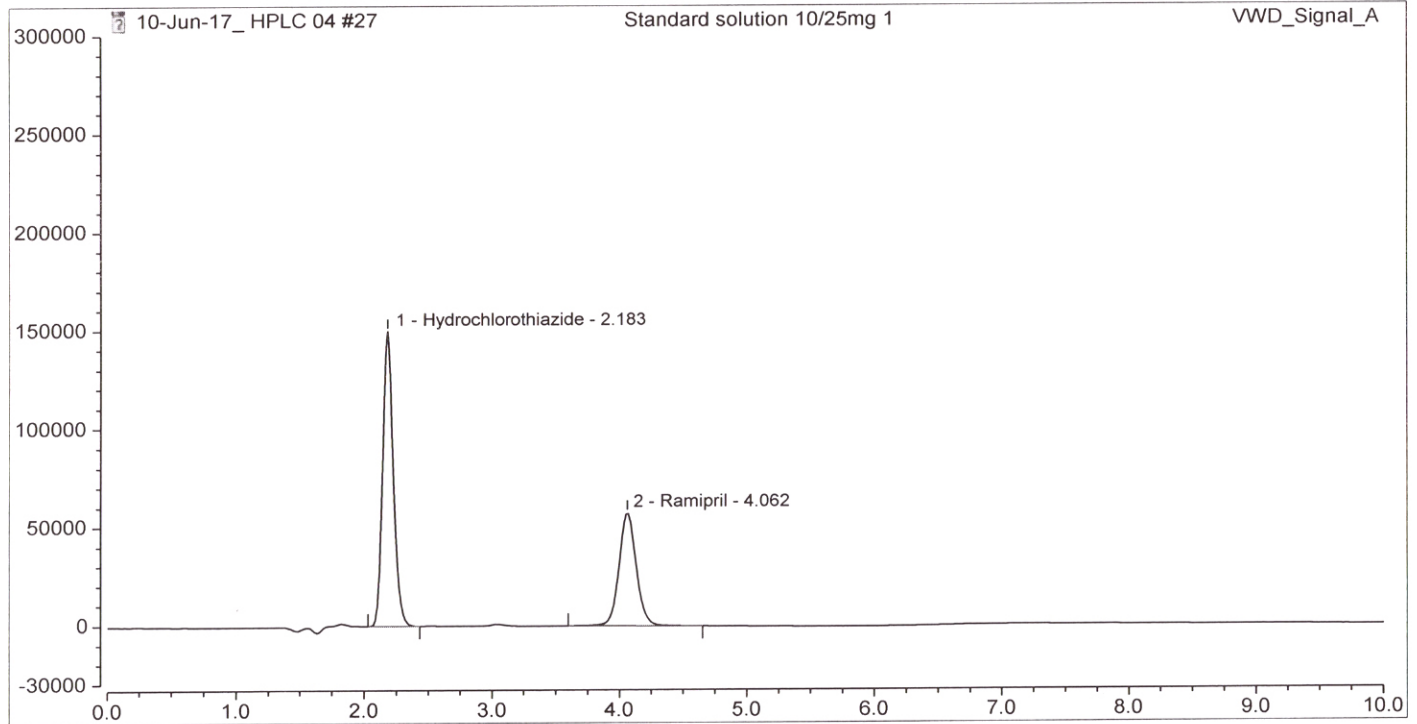
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 1	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ C	Bandwidth:	n.a.
Processing Method:	PR Method 3	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 01:55	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area μ AU*min	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.183	14401.658	3390	1.19	9.61	61.52
2	Ramipril	4.062	9006.866	4532	1.07	n.a.	38.48
Total:							

Pankaj Gurav
21-Jun-17

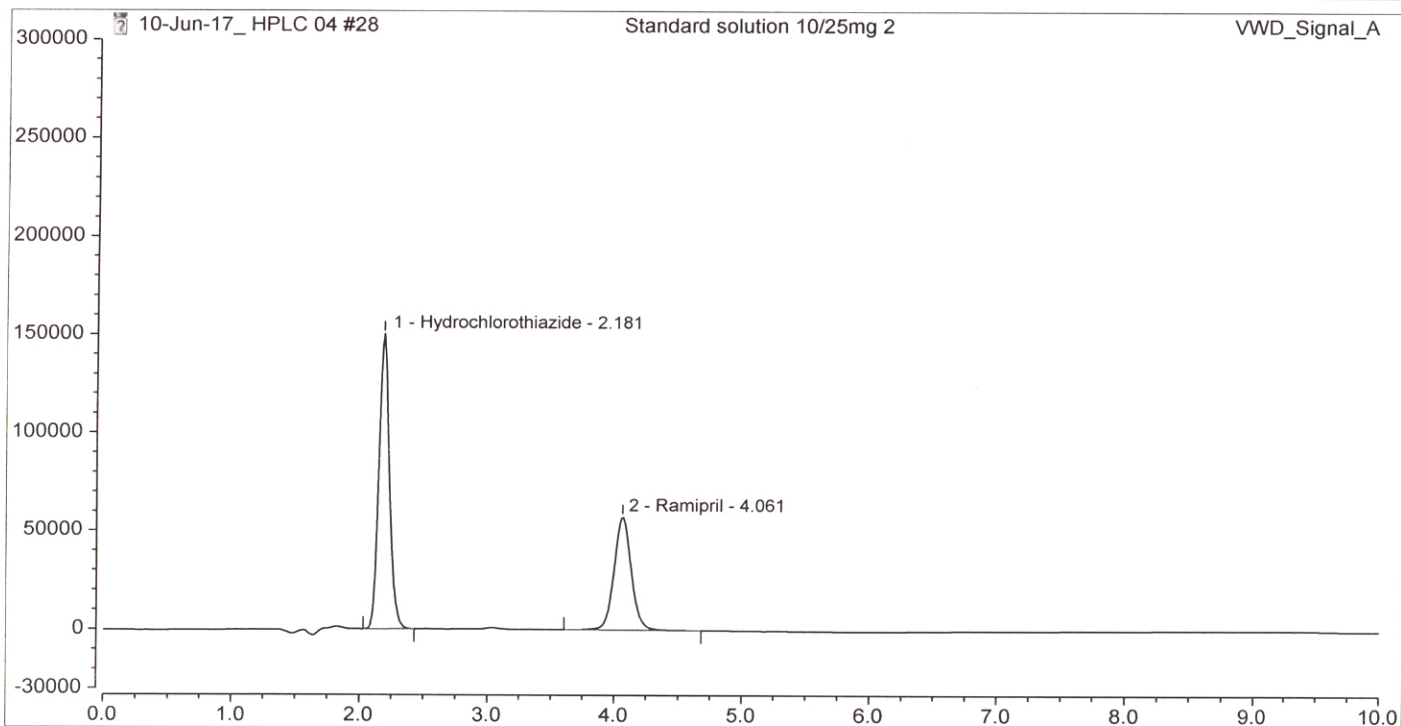
Pankaj Gurav
22-Jun-17

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 2	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_C	Bandwidth:	n.a.
Processing Method:	PR Method 3	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 02:06	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.181	14426.220	3390	1.21	9.62	61.50
2	Ramipril	4.061	9031.330	4538	1.08	n.a.	38.50
Total:							

Default/Integration

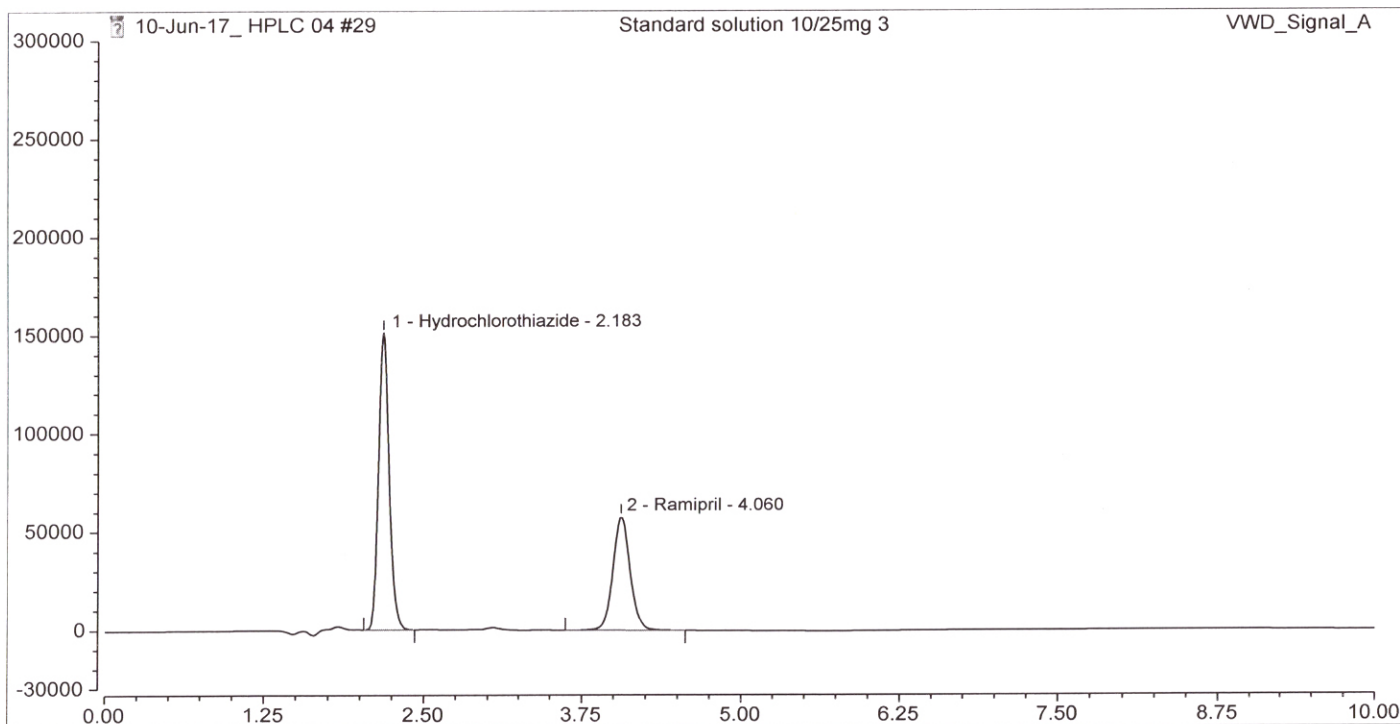
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 3	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_C	Bandwidth:	n.a.
Processing Method:	PR Method 3	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 02:18	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.183	14490.873	3409	1.18	9.62	61.62
2	Ramipril	4.060	9025.636	4552	1.09	n.a.	38.38
Total:							

21-Jun-17

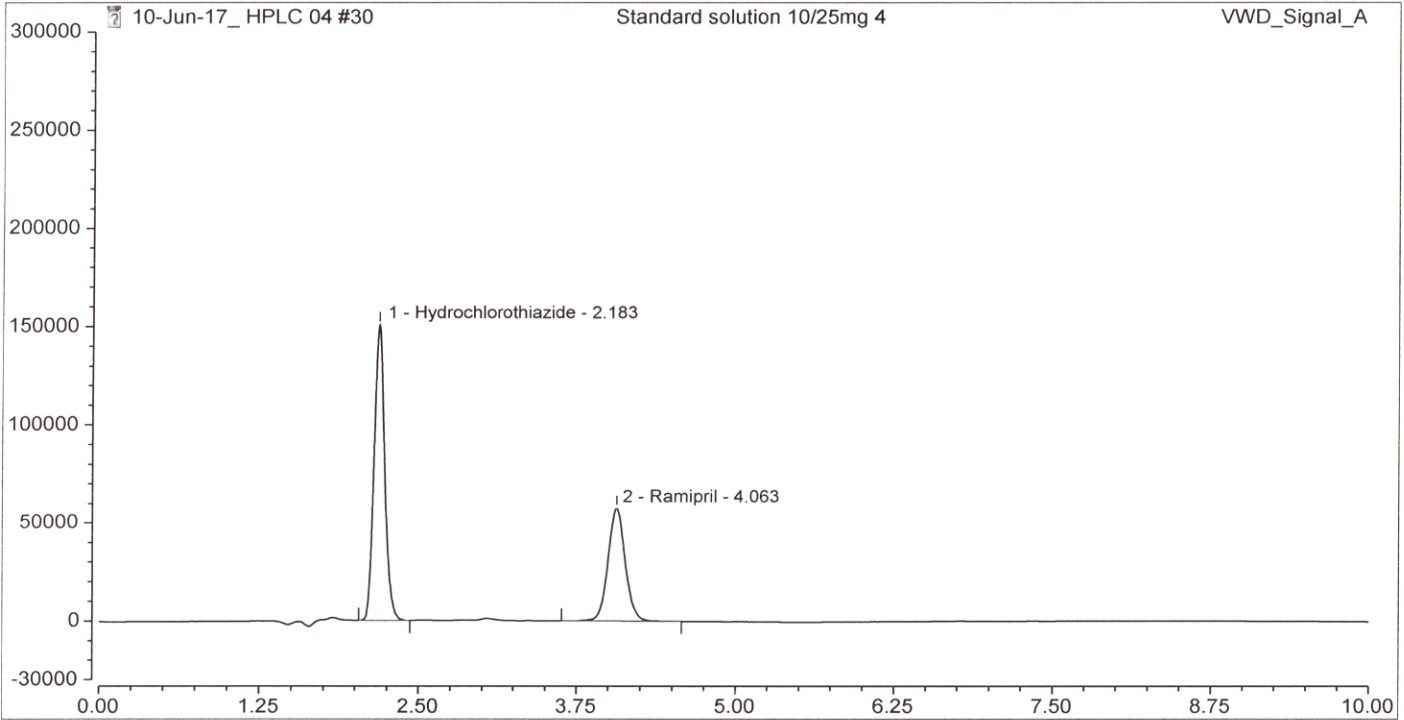
Default/Integration

22-Jun-17

Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.**Injection Details**

Injection Name:	Standard solution 10/25mg 4	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ C	Bandwidth:	n.a.
Processing Method:	PR Method 3	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 02:29	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram**Integration Results**

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.183	14469.732	3405	1.20	9.63	61.67
2	Ramipril	4.063	8992.305	4558	1.07	n.a.	38.33
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
21-Jun-17

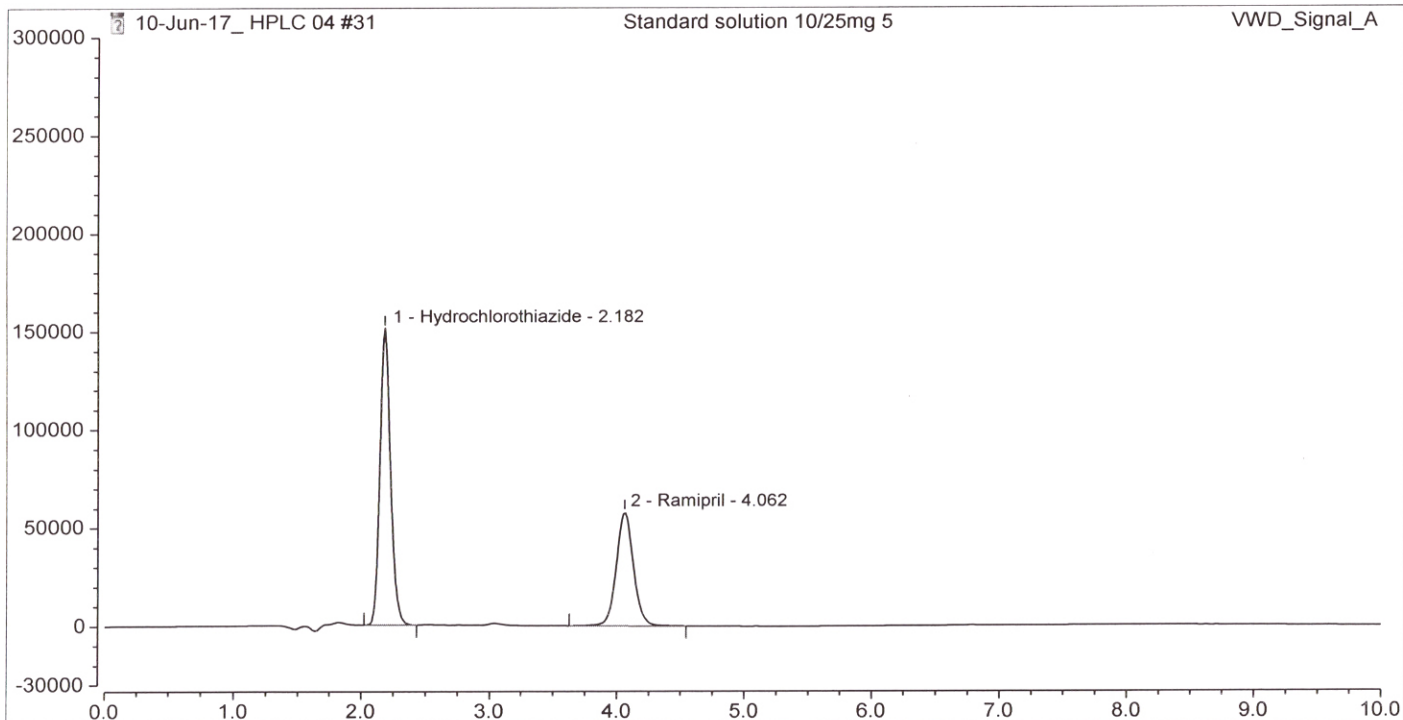
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 5	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_C	Bandwidth:	n.a.
Processing Method:	PR Method 3	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 02:41	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.182	14460.213	3410	1.21	9.64	61.54
2	Ramipril	4.062	9036.032	4561	1.07	n.a.	38.46
Total:							

Pankaj
21-Jun-17

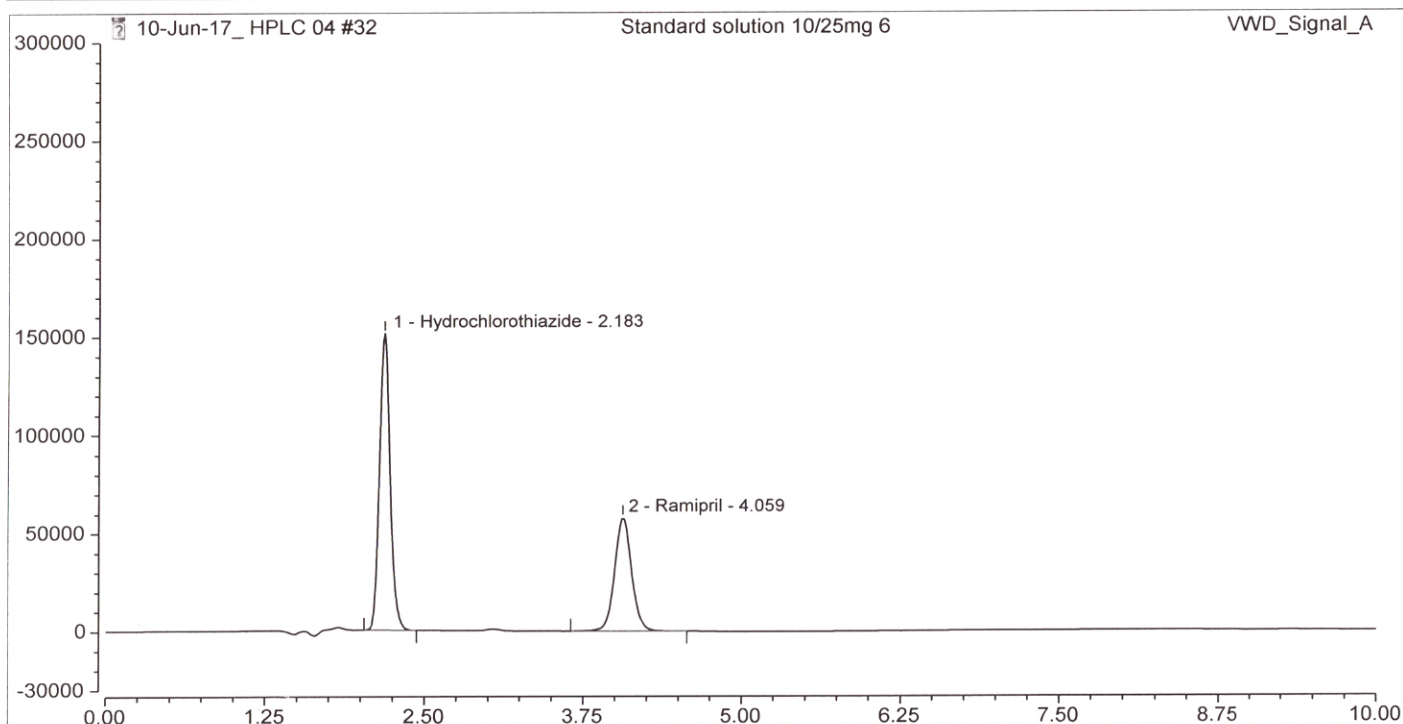
Pankaj
22-Jun-17

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 6	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ C	Bandwidth:	n.a.
Processing Method:	PR Method 3	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 02:52	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.183	14462.756	3426	1.19	9.64	61.66
2	Ramipril	4.059	8993.402	4575	1.08	n.a.	38.34
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
22-Jun-17

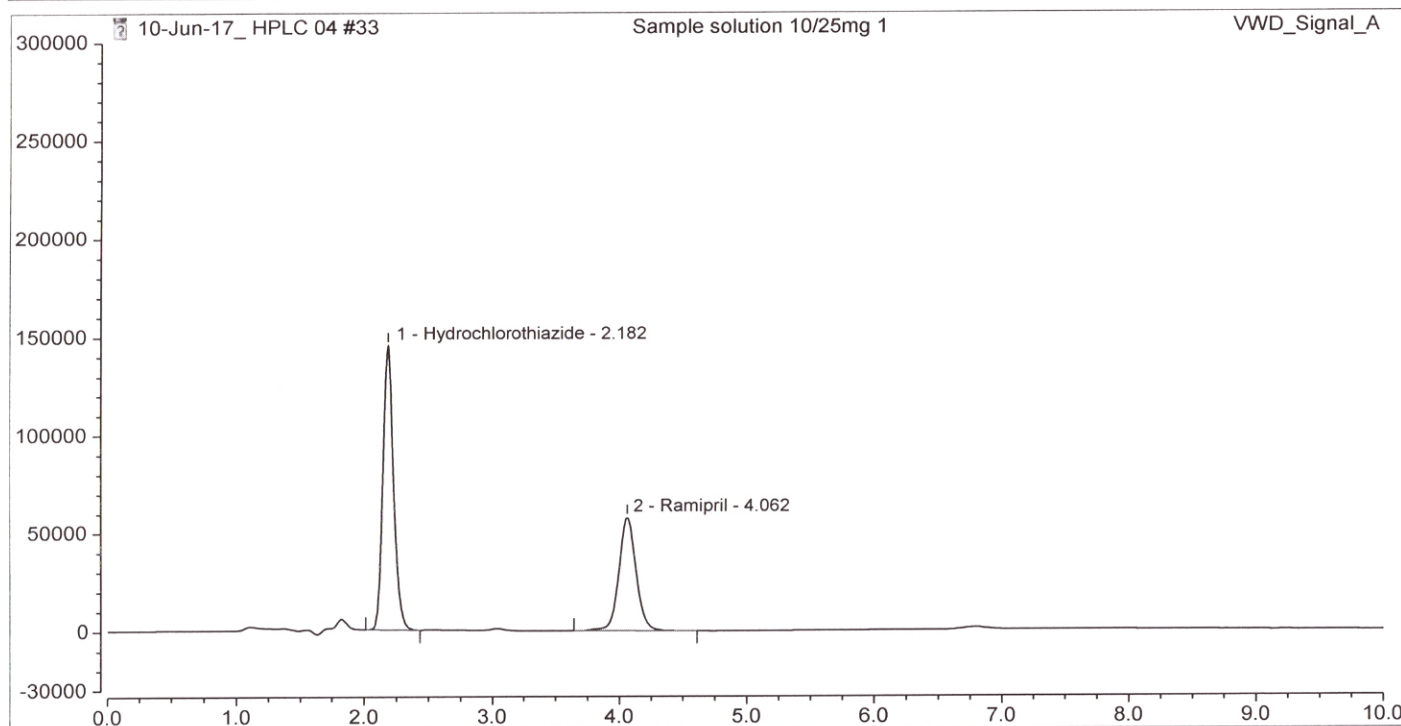
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Sample solution 10/25mg 1	Run Time (min):	10.00
Vial Number:	Vial:3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ C	Bandwidth:	n.a.
Processing Method:	PR Method 3	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 03:04	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.182	13898.747	3419	1.20	9.65	60.48
2	Ramipril	4.062	9082.182	4570	1.06	n.a.	39.52
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav

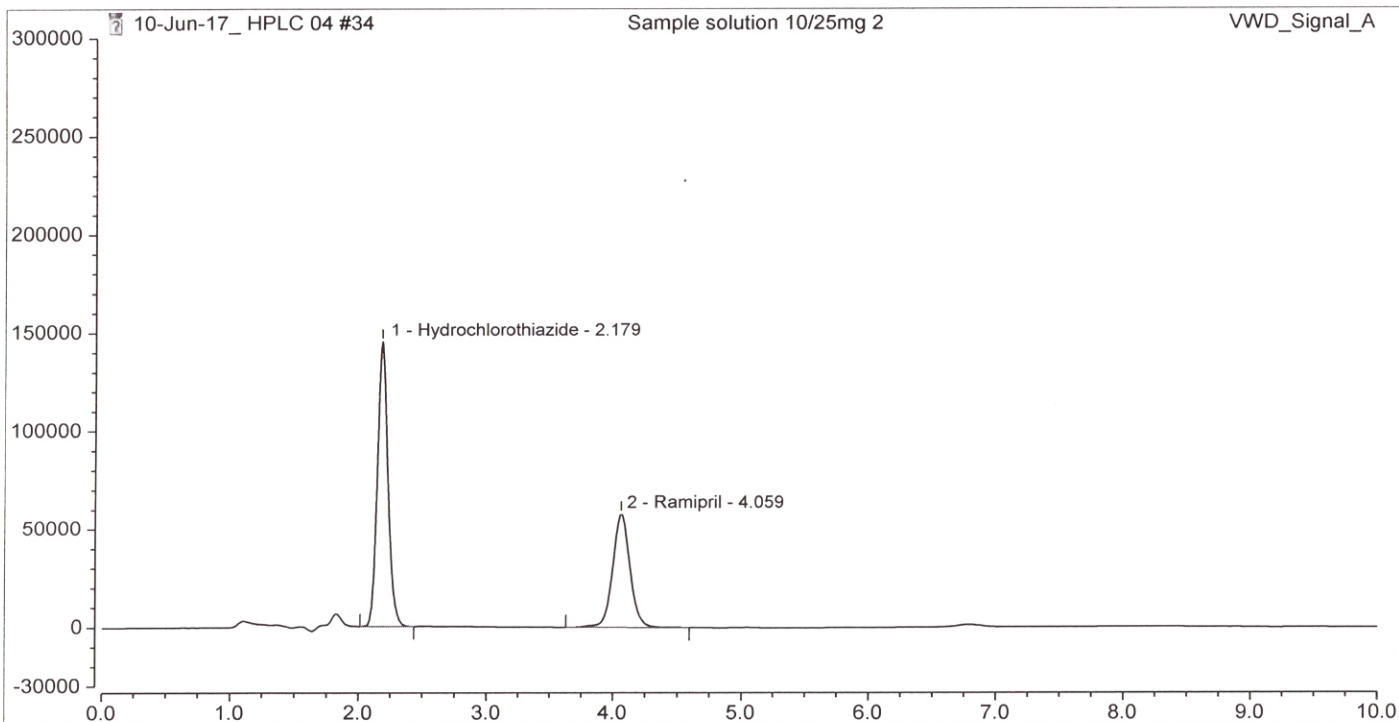
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Sample solution 10/25mg 2	Run Time (min):	10.00
Vial Number:	Vial:4	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ C	Bandwidth:	n.a.
Processing Method:	PR Method 3	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 03:15	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.179	13885.231	3424	1.23	9.66	60.47
2	Ramipril	4.059	9076.546	4576	1.08	n.a.	39.53
Total:							

Pankaj Gurav
21 Jun-17

Default/Integration

Pankaj Gurav
21 Jun-17

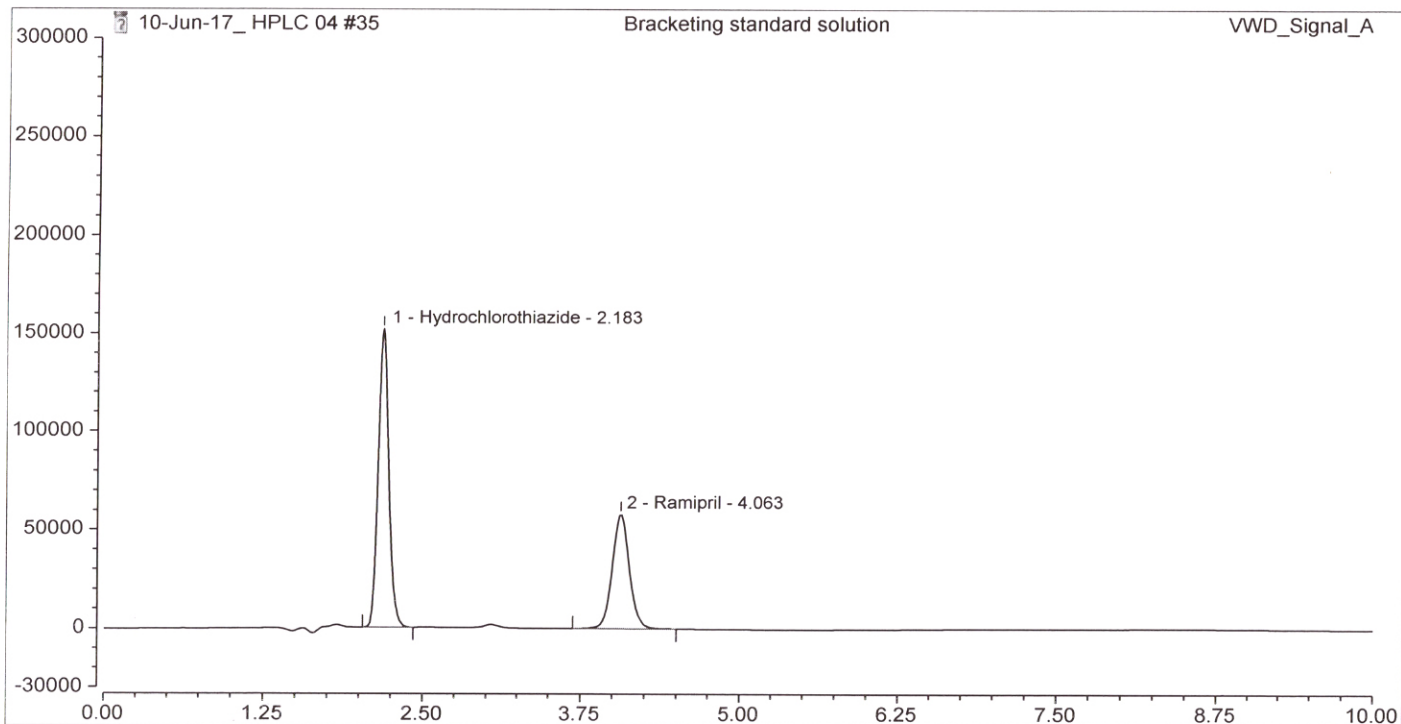
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Bracketing standard solution	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_ C	Bandwidth:	n.a.
Processing Method:	PR Method 3	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 03:27	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.183	14514.069	3442	1.20	9.68	61.79
2	Ramipril	4.063	8976.665	4598	1.07	n.a.	38.21
Total:							

Baner
21-Jun-17

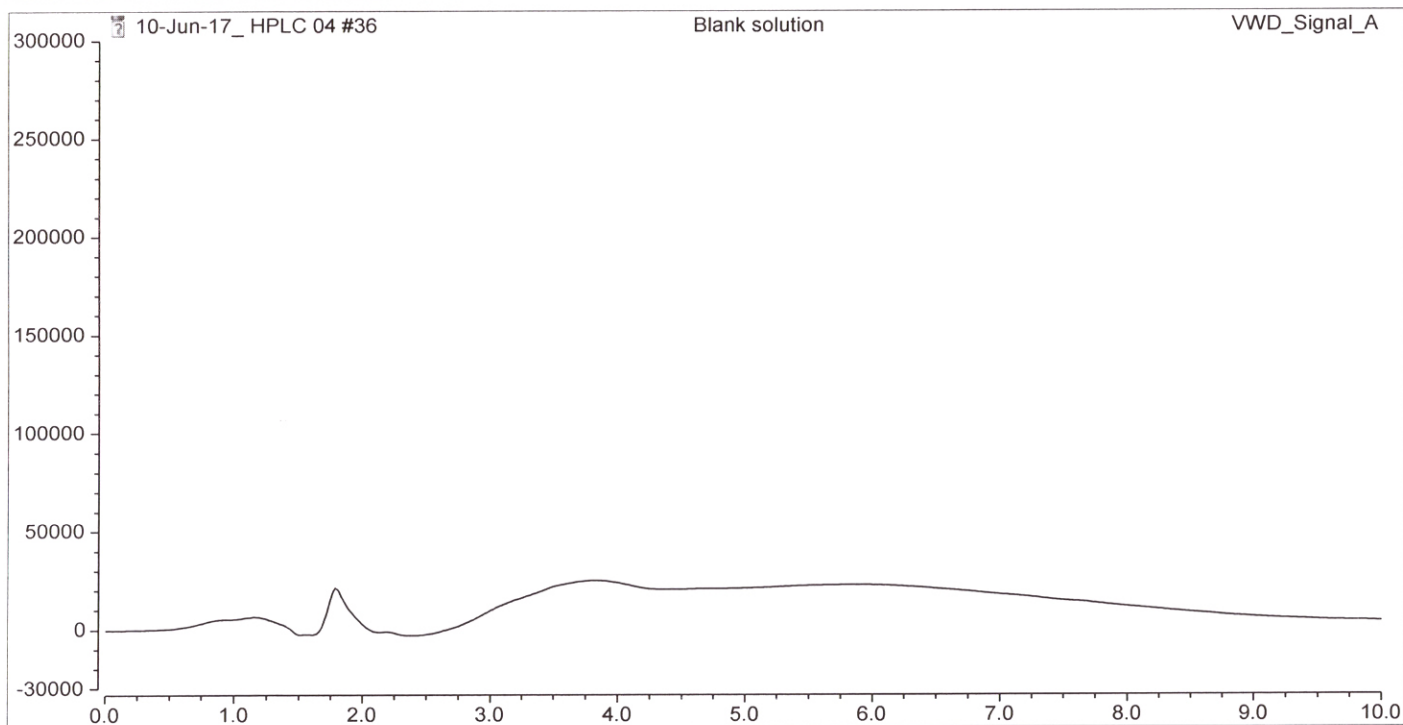
Pankaj
22-Jun-17

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	Vial:1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ D	Bandwidth:	n.a.
Processing Method:	PR Method 4	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 03:38	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

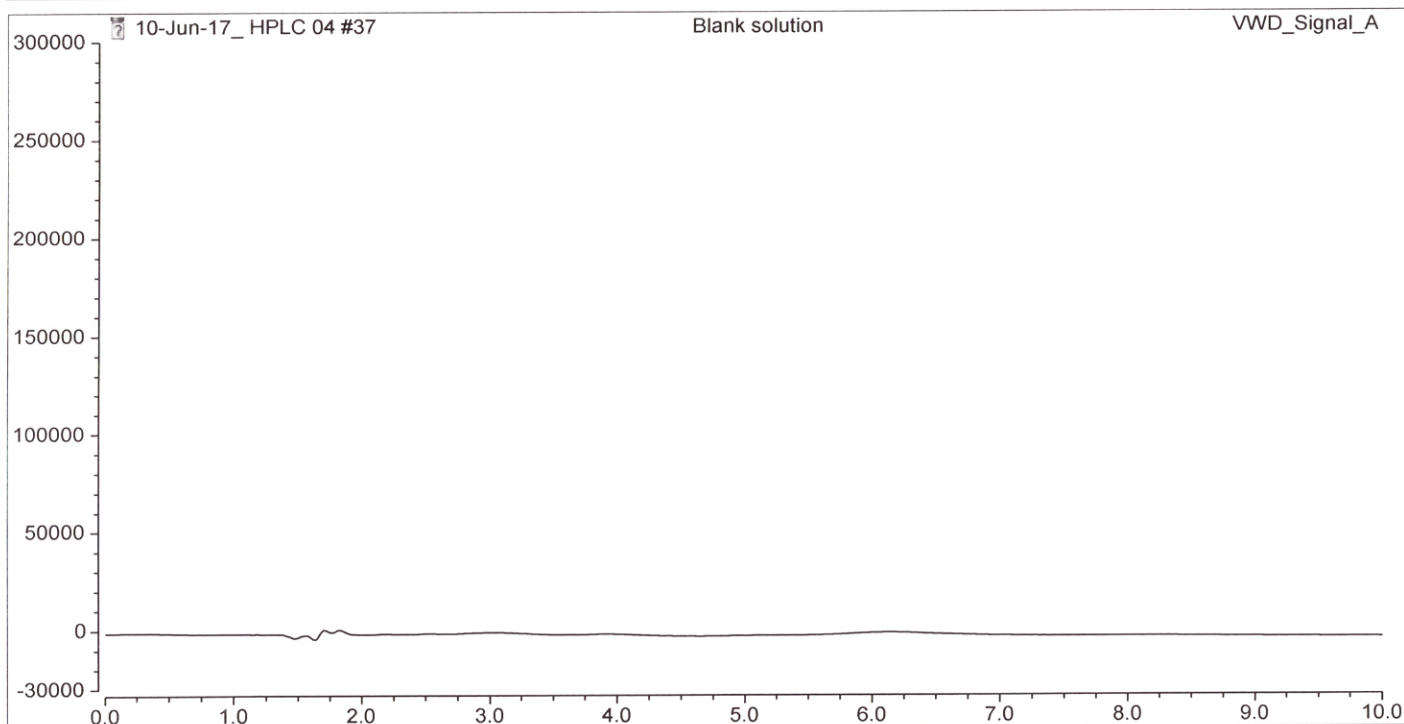
No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
Total:							

Pankaj Gurav
21-Jun-17

Pankaj Gurav

QbD Research & Developement Pvt.Ltd.**Injection Details**

Injection Name:	Blank solution	Run Time (min):	10.00
Vial Number:	Vial:1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ D	Bandwidth:	n.a.
Processing Method:	PR Method 4	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 03:50	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram**Integration Results**

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

Pankaj Gurav
21-Jun-17

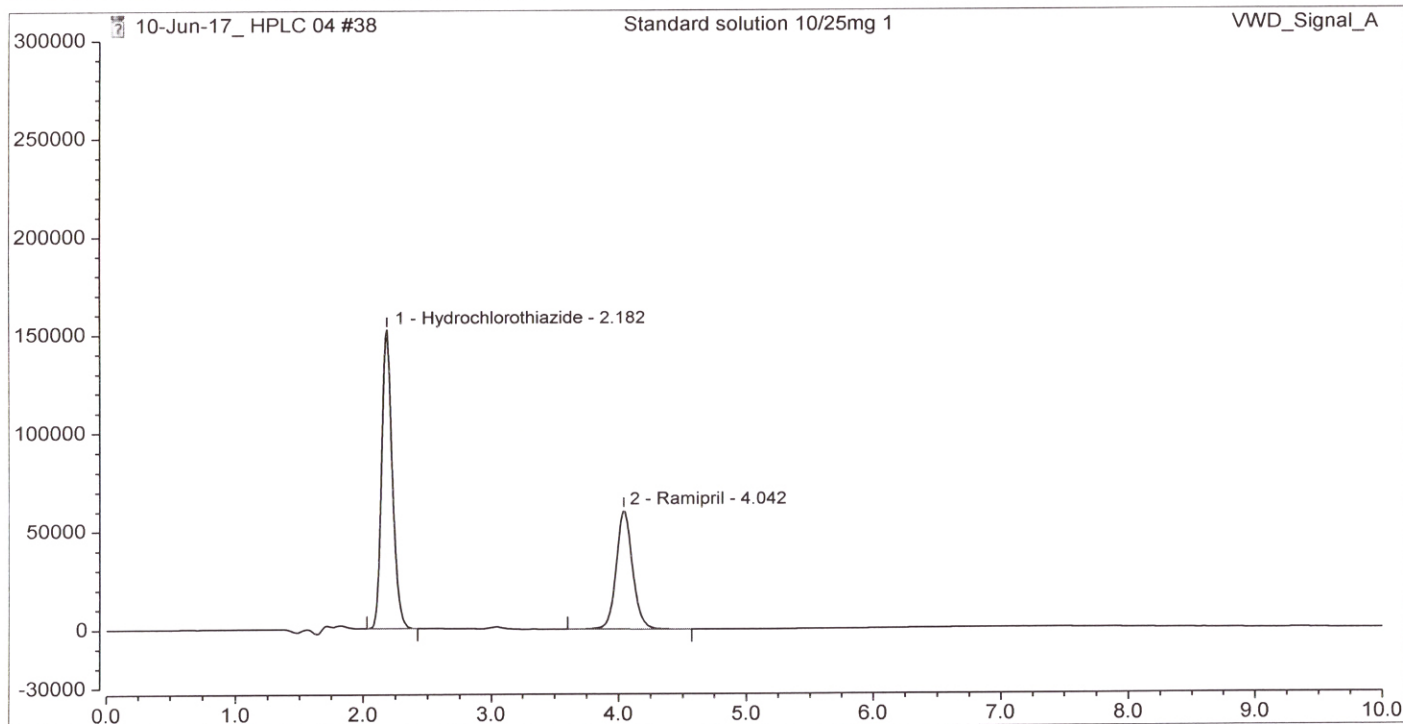
Pankaj Gurav
22-Jun-17

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 1	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_D	Bandwidth:	n.a.
Processing Method:	PR Method 4	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 04:02	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.182	14447.885	3475	1.19	9.89	61.59
2	Ramipril	4.042	9010.097	5019	1.10	n.a.	38.41
Total:							

Pankaj
21-Jun-17

Default/Integration

Pankaj
22-Jun-17

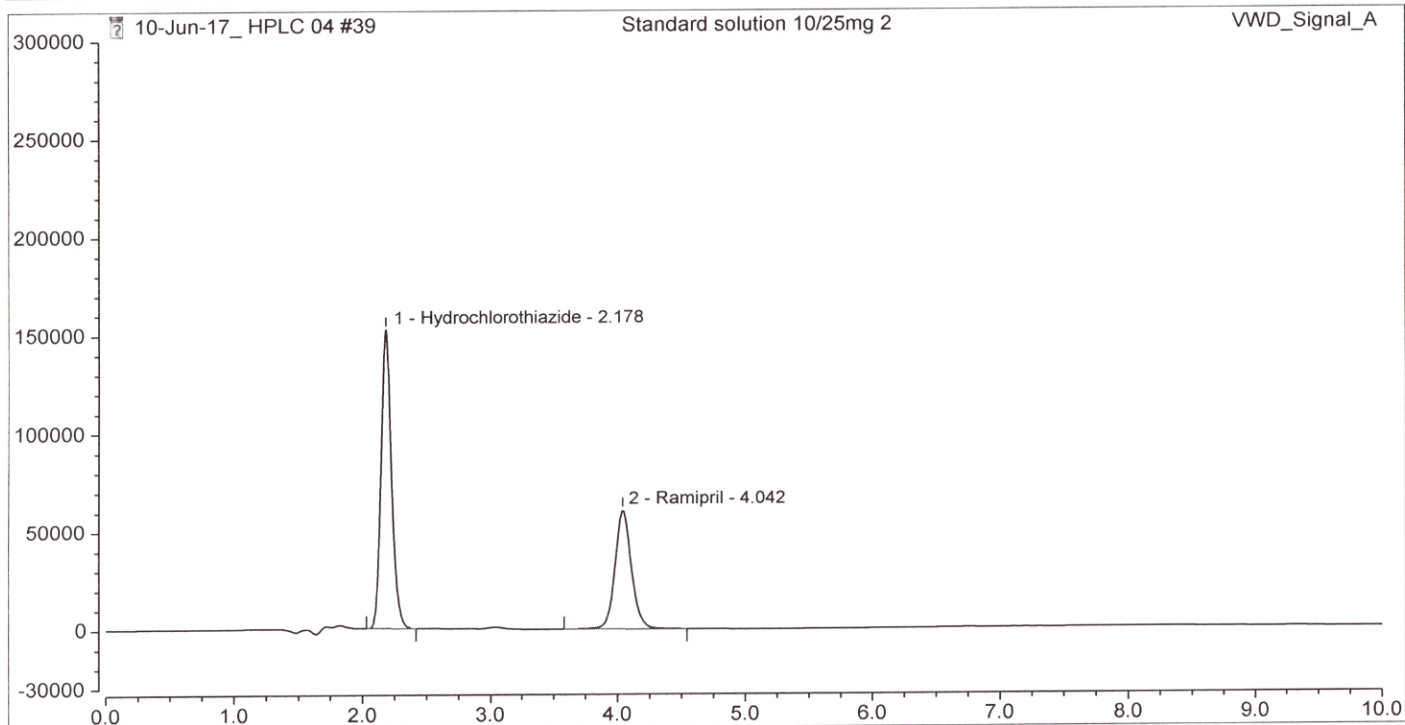
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 2	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ D	Bandwidth:	n.a.
Processing Method:	PR Method 4	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 04:13	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.178	14446.057	3476	1.24	9.92	61.59
2	Ramipril	4.042	9009.127	5033	1.10	n.a.	38.41
Total:							

Pankaj Gurav
21 Jun-17

Default/Integration

Pankaj Gurav
21 Jun-17

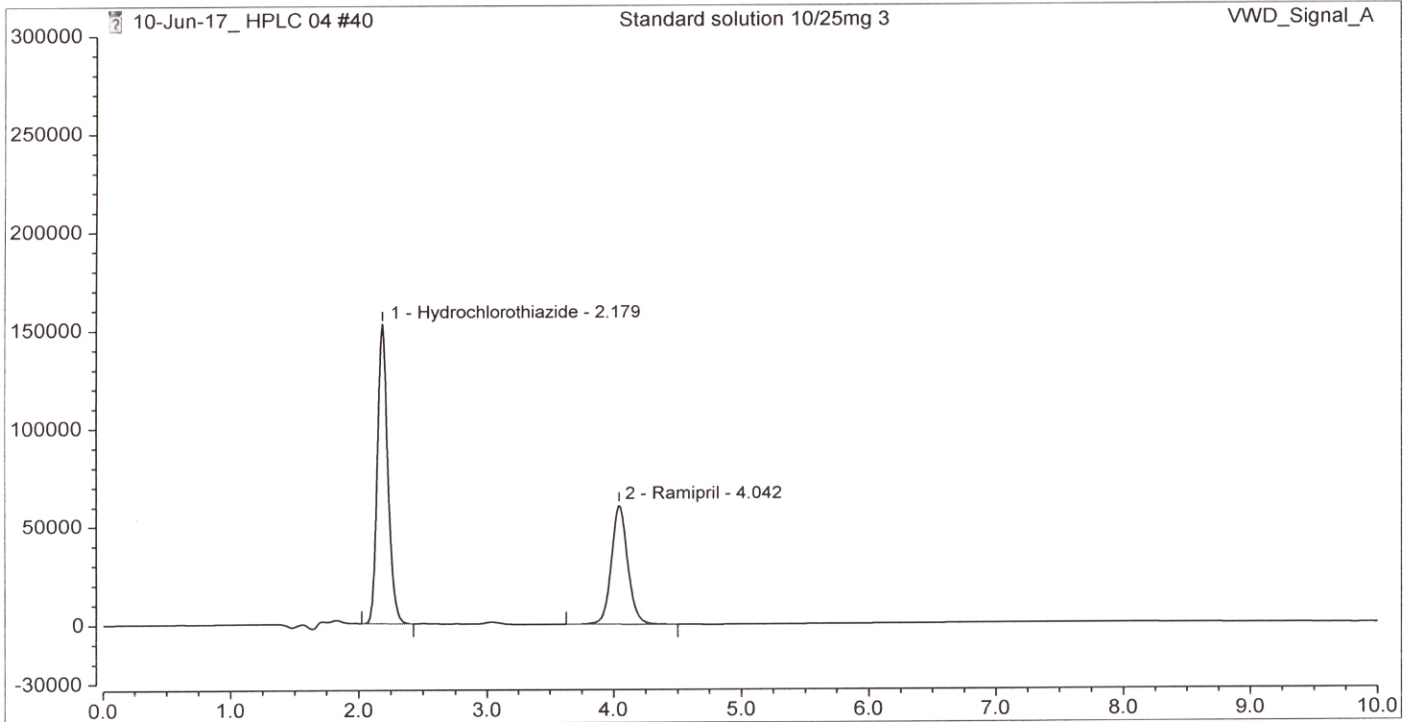
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 3	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_D	Bandwidth:	n.a.
Processing Method:	PR Method 4	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 04:25	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.179	14467.924	3479	1.23	9.93	61.63
2	Ramipril	4.042	9007.450	5041	1.09	n.a.	38.37
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
21-Jun-17

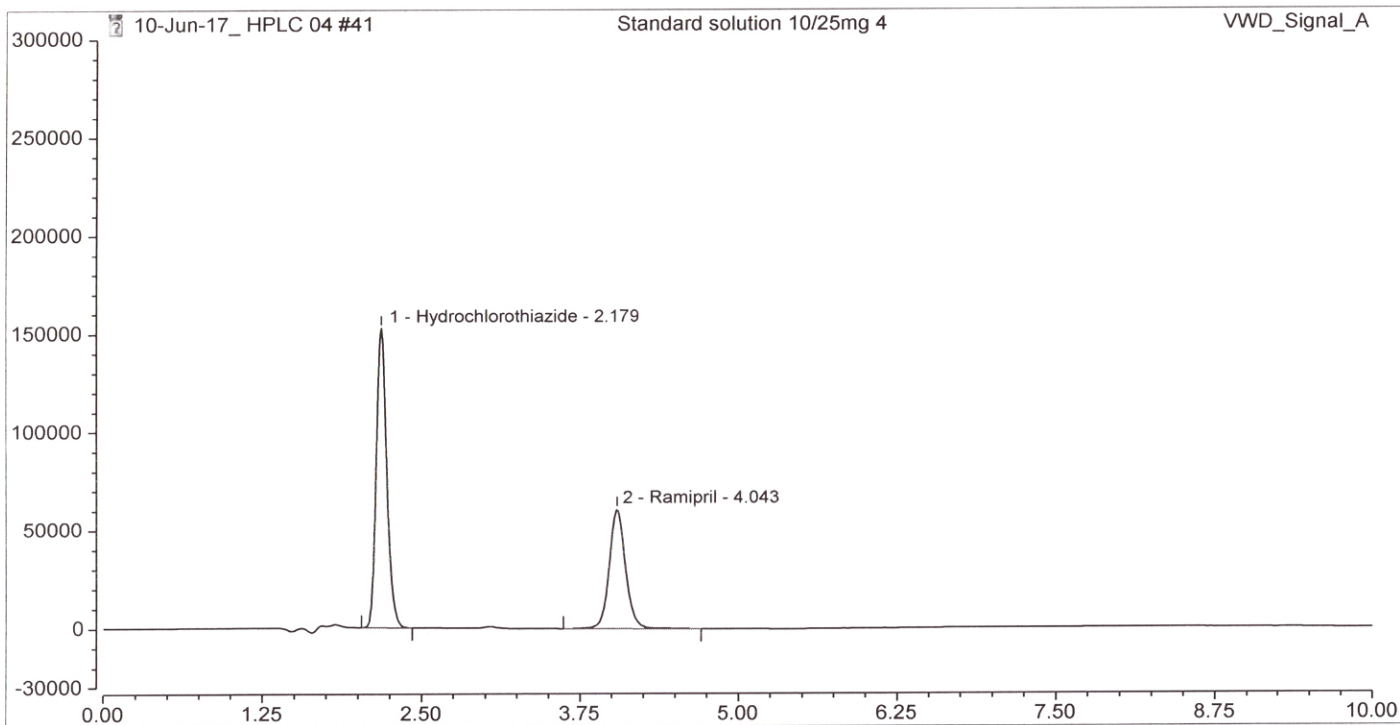
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 4	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ D	Bandwidth:	n.a.
Processing Method:	PR Method 4	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 04:36	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.179	14449.942	3485	1.22	9.93	61.45
2	Ramipril	4.043	9065.226	5042	1.09	n.a.	38.55
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
21-Jun-17

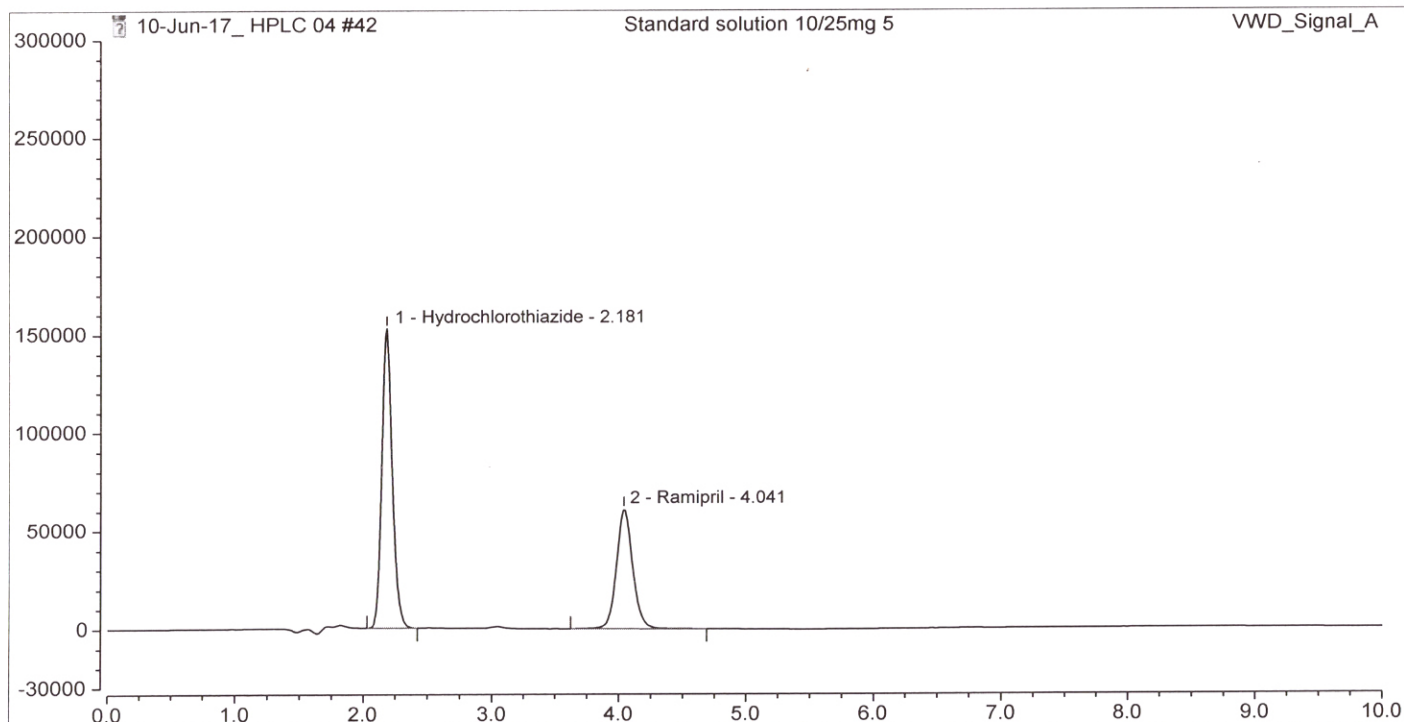
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 5	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ D	Bandwidth:	n.a.
Processing Method:	PR Method 4	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 04:48	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.181	14462.214	3489	1.20	9.92	61.57
2	Ramipril	4.041	9027.318	5053	1.10	n.a.	38.43
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
22-Jun-17

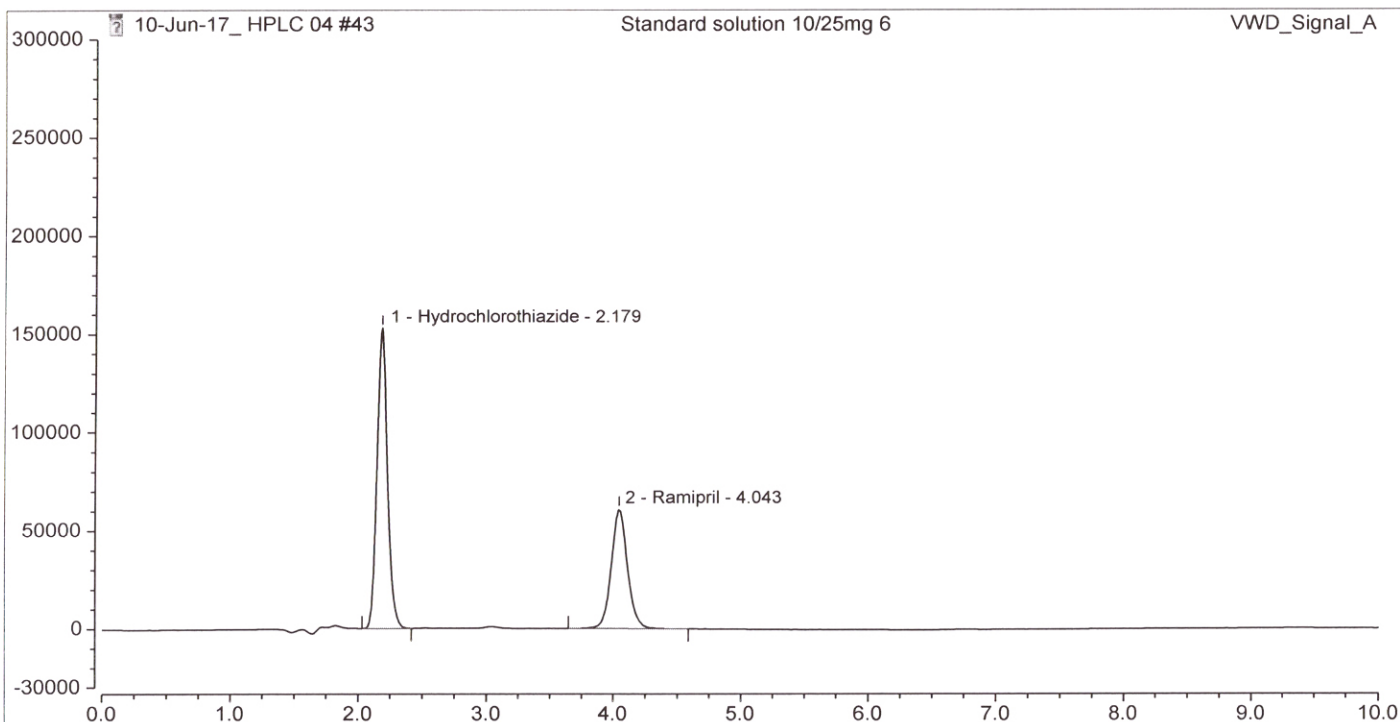
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.

Injection Details

Injection Name:	Standard solution 10/25mg 6	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ D	Bandwidth:	n.a.
Processing Method:	PR Method 4	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 04:59	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.179	14485.684	3486	1.23	9.94	61.61
2	Ramipril	4.043	9026.685	5064	1.09	n.a.	38.39
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
21-Jun-17

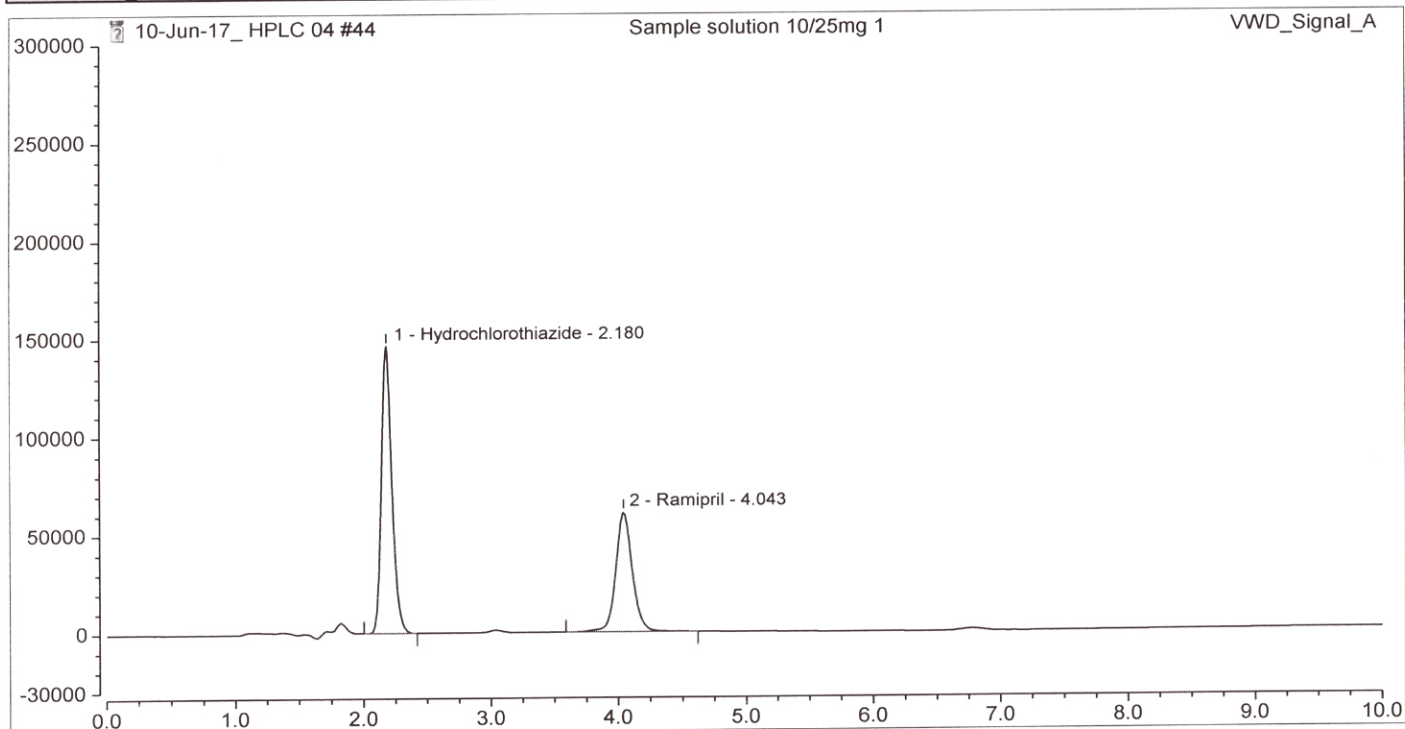
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Sample solution 10/25mg 1	Run Time (min):	10.00
Vial Number:	Vial:3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_D	Bandwidth:	n.a.
Processing Method:	PR Method 4	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 05:11	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.180	13884.494	3485	1.22	9.93	60.20
2	Ramipril	4.043	9179.972	5041	1.08	n.a.	39.80
Total:							

QbD
21-Jun-17

Default/Integration

QbD
21-Jun-17

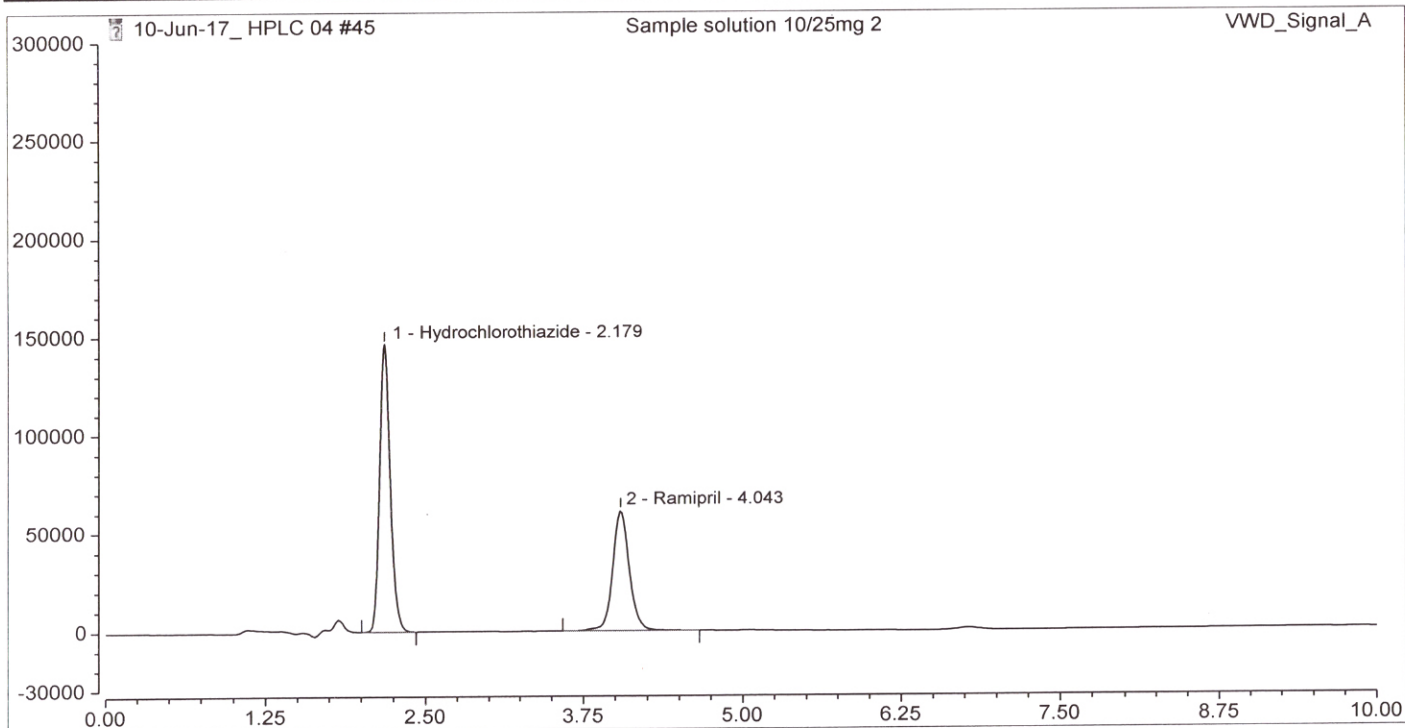
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Developement Pvt.Ltd.

Injection Details

Injection Name:	Sample solution 10/25mg 2	Run Time (min):	10.00
Vial Number:	Vial:4	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_04_ D	Bandwidth:	n.a.
Processing Method:	PR Method 4	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 05:22	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.179	13885.520	3488	1.22	9.93	60.19
2	Ramipril	4.043	9183.220	5041	1.08	n.a.	39.81
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
21-Jun-17

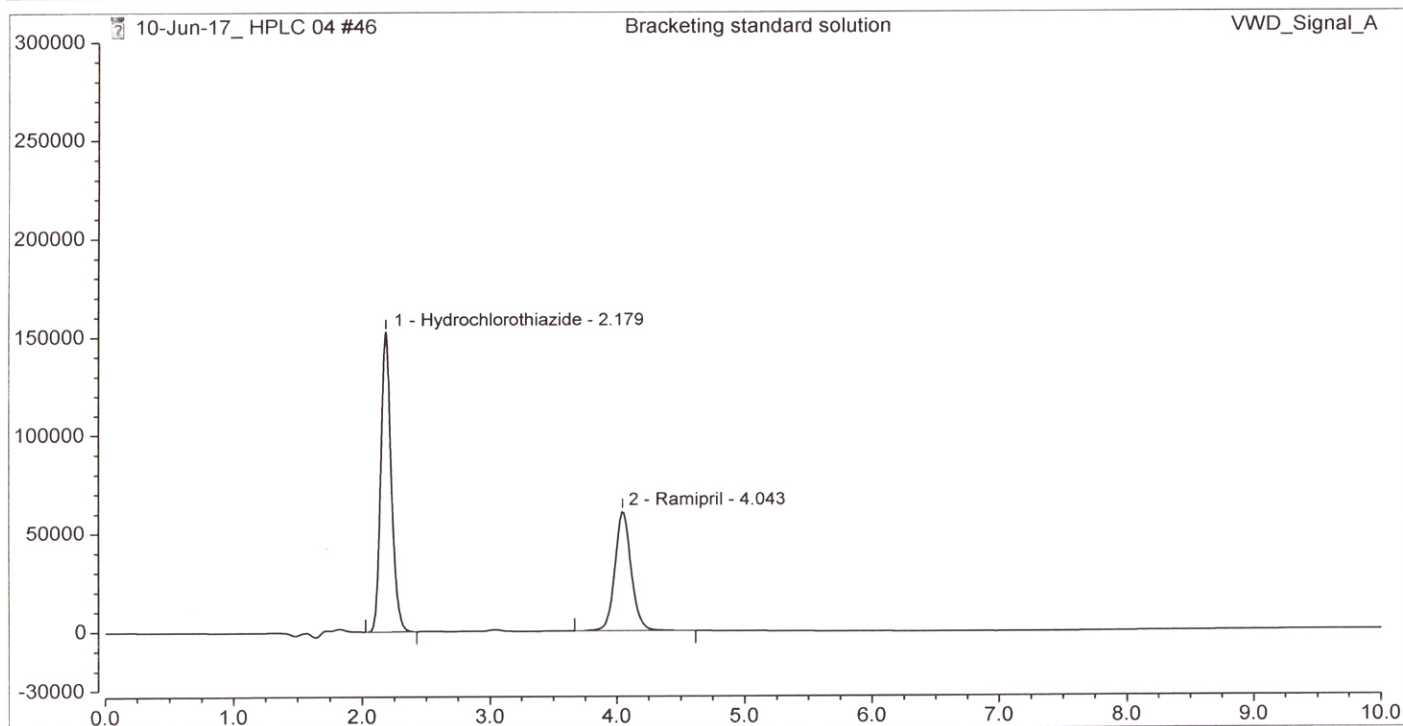
Chromeleon (c) Dionex
Version 7.2.4.8525

QbD Research & Development Pvt.Ltd.

Injection Details

Injection Name:	Bracketing standard solution	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	VWD_Signal_A
Calibration Level:		Wavelength:	210
Instrument Method:	Ramithiazide Assay- HPLC_ 04_ D	Bandwidth:	n.a.
Processing Method:	PR Method 4	Dilution Factor:	1.0000
Injection Date/Time:	11-Jun-17 05:34	Sample Weight:	1.0000
User Name:	Pankaj Gurav	Sample Weight:	1.0000

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area $\mu\text{AU} \cdot \text{min}$	Plates (USP)	Asymmetry (EP)	Resolution (USP)	Rel.Area %
1	Hydrochlorothiazide	2.179	14450.618	3497	1.23	9.95	61.43
2	Ramipril	4.043	9072.020	5065	1.10	n.a.	38.57
Total:							

Pankaj Gurav
21-Jun-17

Default/Integration

Pankaj Gurav
21-Jun-17

Chromeleon (c) Dionex
Version 7.2.4.8525

ID_Signal	Name	Position	Volume [µL]	Instrument Method	Processing Method	Comment	Status	Inject Time
1	Pre SST 1	Vial:2	10.00	Ramithiazide Assay- HPLC_04_A	PR Method 1		Finish	10-Jun-17 18:45 +05:30
2	Pre SST 2	Vial:2	10.00	Ramithiazide Assay- HPLC_04_C	PR Method 1		Finish	10-Jun-17 19:07 +05:30
3	Pre SST 2	Vial:2	10.00	Ramithiazide Assay- HPLC_04_D	PR Method 1		Finish	10-Jun-17 20:12 +05:30
4	Blank solution	Vial:1	10.00	Ramithiazide Assay- HPLC_04_A	PR Method 1	Robustness- Decrease Organic in MP	Idle	
5	Standard solution 10/25mg 1	Vial:2	10.00	Ramithiazide Assay- HPLC_04_A	PR Method 1	Robustness- Decrease Organic in MP	Idle	
6	Standard solution 10/25mg 2	Vial:2	10.00	Ramithiazide Assay- HPLC_04_A	PR Method 1	Robustness- Decrease Organic in MP	Idle	
7	Standard solution 10/25mg 3	Vial:2	10.00	Ramithiazide Assay- HPLC_04_A	PR Method 1	Robustness- Decrease Organic in MP	Idle	
8	Standard solution 10/25mg 4	Vial:2	10.00	Ramithiazide Assay- HPLC_04_A	PR Method 1	Robustness- Decrease Organic in MP	Idle	
9	Standard solution 10/25mg 5	Vial:2	10.00	Ramithiazide Assay- HPLC_04_A	PR Method 1	Robustness- Decrease Organic in MP	Idle	
10	Standard solution 10/25mg 6	Vial:2	10.00	Ramithiazide Assay- HPLC_04_A	PR Method 1	Robustness- Decrease Organic in MP	Idle	
11	Sample solution 10/25mg 1	Vial:3	10.00	Ramithiazide Assay- HPLC_04_A	PR Method 1	Robustness- Decrease Organic in MP	Idle	
12	Sample solution 10/25mg 2	Vial:4	10.00	Ramithiazide Assay- HPLC_04_A	PR Method 1	Robustness- Decrease Organic in MP	Idle	
13	Bracketing standard solution	Vial:2	10.00	Ramithiazide Assay- HPLC_04_A	PR Method 1	Robustness- Decrease Organic in MP	Idle	
14	Blank solution	Vial:1	10.00	Ramithiazide Assay- HPLC_04_B	PR Method 2	Robustness- Increase Organic in MP	Idle	
15	Blank solution	Vial:1	10.00	Ramithiazide Assay- HPLC_04_B	PR Method 2	Robustness- Increase Organic in MP	Idle	
16	Standard solution 10/25mg 1	Vial:2	10.00	Ramithiazide Assay- HPLC_04_B	PR Method 2	Robustness- Increase Organic in MP	Idle	
17	Standard solution 10/25mg 2	Vial:2	10.00	Ramithiazide Assay- HPLC_04_B	PR Method 2	Robustness- Increase Organic in MP	Idle	
18	Standard solution 10/25mg 3	Vial:2	10.00	Ramithiazide Assay- HPLC_04_B	PR Method 2	Robustness- Increase Organic in MP	Idle	
19	Standard solution 10/25mg 4	Vial:2	10.00	Ramithiazide Assay- HPLC_04_B	PR Method 2	Robustness- Increase Organic in MP	Idle	
20	Standard solution 10/25mg 5	Vial:2	10.00	Ramithiazide Assay- HPLC_04_B	PR Method 2	Robustness- Increase Organic in MP	Idle	
21	Standard solution 10/25mg 6	Vial:2	10.00	Ramithiazide Assay- HPLC_04_B	PR Method 2	Robustness- Increase Organic in MP	Idle	
22	Sample solution 10/25mg 1	Vial:3	10.00	Ramithiazide Assay- HPLC_04_B	PR Method 2	Robustness- Increase Organic in MP	Idle	
23	Sample solution 10/25mg 2	Vial:4	10.00	Ramithiazide Assay- HPLC_04_B	PR Method 2	Robustness- Increase Organic in MP	Idle	
24	Bracketing standard solution	Vial:2	10.00	Ramithiazide Assay- HPLC_04_B	PR Method 2	Robustness- Increase Organic in MP	Idle	
25	Blank solution	Vial:1	10.00	Ramithiazide Assay- HPLC_04_C	PR Method 3	Robustness- Change in Buffer pH- 2.3	Idle	
26	Blank solution	Vial:1	10.00	Ramithiazide Assay- HPLC_04_C	PR Method 3	Robustness- Change in Buffer pH- 2.3	Idle	
27	Standard solution 10/25mg 1	Vial:2	10.00	Ramithiazide Assay- HPLC_04_C	PR Method 3	Robustness- Change in Buffer pH- 2.3	Idle	
28	Standard solution 10/25mg 2	Vial:2	10.00	Ramithiazide Assay- HPLC_04_C	PR Method 3	Robustness- Change in Buffer pH- 2.3	Idle	
29	Standard solution 10/25mg 3	Vial:2	10.00	Ramithiazide Assay- HPLC_04_C	PR Method 3	Robustness- Change in Buffer pH- 2.3	Idle	
30	Standard solution 10/25mg 4	Vial:2	10.00	Ramithiazide Assay- HPLC_04_C	PR Method 3	Robustness- Change in Buffer pH- 2.3	Idle	
31	Standard solution 10/25mg 5	Vial:2	10.00	Ramithiazide Assay- HPLC_04_C	PR Method 3	Robustness- Change in Buffer pH- 2.3	Idle	
32	Standard solution 10/25mg 6	Vial:2	10.00	Ramithiazide Assay- HPLC_04_C	PR Method 3	Robustness- Change in Buffer pH- 2.3	Idle	
33	Sample solution 10/25mg 1	Vial:3	10.00	Ramithiazide Assay- HPLC_04_C	PR Method 3	Robustness- Change in Buffer pH- 2.3	Idle	
34	Sample solution 10/25mg 2	Vial:4	10.00	Ramithiazide Assay- HPLC_04_C	PR Method 3	Robustness- Change in Buffer pH- 2.3	Idle	
35	Bracketing standard solution	Vial:2	10.00	Ramithiazide Assay- HPLC_04_C	PR Method 3	Robustness- Change in Buffer pH- 2.3	Idle	
36	Blank solution	Vial:1	10.00	Ramithiazide Assay- HPLC_04_D	PR Method 4	Robustness- Change in Buffer pH- 2.1	Idle	
37	Blank solution	Vial:1	10.00	Ramithiazide Assay- HPLC_04_D	PR Method 4	Robustness- Change in Buffer pH- 2.1	Idle	

Station
10-Jun-17

Station
10-Jun-17

Sequence: 10-Jun-17_ HPLC 04
Last Update Operator: Pankaj Gurav

None	Standard solution 10/25mg 1	Vial:2	10.00	Ramithiazide Assay- HPLC_ 04_ D	PR Method 4	Robustness- Change in Buffer pH- 2.7	Idle
None	Standard solution 10/25mg 2	Vial:2	10.00	Ramithiazide Assay- HPLC_ 04_ D	PR Method 4	Robustness- Change in Buffer pH- 2.7	Idle
None	Standard solution 10/25mg 3	Vial:2	10.00	Ramithiazide Assay- HPLC_ 04_ D	PR Method 4	Robustness- Change in Buffer pH- 2.7	Idle
None	Standard solution 10/25mg 4	Vial:2	10.00	Ramithiazide Assay- HPLC_ 04_ D	PR Method 4	Robustness- Change in Buffer pH- 2.7	Idle
None	Standard solution 10/25mg 5	Vial:2	10.00	Ramithiazide Assay- HPLC_ 04_ D	PR Method 4	Robustness- Change in Buffer pH- 2.7	Idle
None	Standard solution 10/25mg 6	Vial:2	10.00	Ramithiazide Assay- HPLC_ 04_ D	PR Method 4	Robustness- Change in Buffer pH- 2.7	Idle
None	Sample solution 10/25mg 1	Vial:3	10.00	Ramithiazide Assay- HPLC_ 04_ D	PR Method 4	Robustness- Change in Buffer pH- 2.7	Idle
None	Sample solution 10/25mg 2	Vial:4	10.00	Ramithiazide Assay- HPLC_ 04_ D	PR Method 4	Robustness- Change in Buffer pH- 2.7	Idle
None	Bracketing standard solution	Vial:2	10.00	Ramithiazide Assay- HPLC_ 04_ D	PR Method 4	Robustness- Change in Buffer pH- 2.7	Idle
None	Wash	Vial:1	10.00	Wash method D_H 04 NEW			Idle
None	Shut	Vial:1	10.00	Shut method _HPLC 04 NEW			Idle

Pankaj
10-Jun-17

Pankaj
10-Jun-17

Name	Ramithiazide Assay- HPLC_ 04_ A
Data Vault	XVault
Path	chrom://qbd-pc-15/XVault/QbD-INST-HPLC-04/522/10-Jun-17_ HPLC 04.seq/Ramithiazide Assay- HPLC_ 04_ A.instmeth
Comment	Ramithiazide Assay
Description	New instrument method created
Run time	10.000 [min]
Instrument	QbD-INST-HPLC-04 on qbd-pc-15
Created	08-Jun-17 17:36 +05:30 Santosh Padmure
Last Update	10-Jun-17 18:43 +05:30 Sachin Pujari

Sachin Pujari
10-Jun-17

Pankaj Gurav
10-Jun-17

Stage	Time min	Command	Value	Comment
Instrument Setup	initial			
Inject Preparation	0.000	Wait	LCSystem.Read y	
Inject	0.000	LCSystem.ALS.Inject	Blank=Inject	
Start Run	0.000	LCSystem.ALS_Temperature.AcqOn LCSystem.QuatPump_Dir_PistonA.AcqOn LCSystem.QuatPump_Flow.AcqOn LCSystem.QuatPump_Pressure.AcqOn LCSystem.QuatPump_SolventRatioA.AcqO n LCSystem.QuatPump_SolventRatioB.AcqO n LCSystem.QuatPump_SolventRatioC.AcqO n LCSystem.QuatPump_SolventRatioD.AcqO n LCSystem.TCC_Left_Temperature.AcqOn LCSystem.TCC_Right_Temperature.AcqOn LCSystem.VWD_Board_Temperature.Acq On LCSystem.VWD_OpticalUnit_Temp.AcqOn LCSystem.VWD_Reference_Intensity.AcqO n LCSystem.VWD_Sample_Intensity.AcqOn LCSystem.VWD_UVLamp_AnodeVoltage.A cqOn LCSystem.VWD_Signal_A.AcqOn		
Run			Duration = 10.000 [min]	
Stop Run	10.000	LCSystem.ALS_Temperature.AcqOff LCSystem.QuatPump_Dir_PistonA.AcqOff LCSystem.QuatPump_Flow.AcqOff LCSystem.QuatPump_Pressure.AcqOff LCSystem.QuatPump_SolventRatioA.AcqO ff LCSystem.QuatPump_SolventRatioB.AcqO ff LCSystem.QuatPump_SolventRatioC.AcqO ff		

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LCSys^{tem}.QuatPump_SolventRatioD.AcqO
ff
LCSys^{tem}.TCC_Left_Temperature.AcqOff
LCSys^{tem}.TCC_Right_Temperature.AcqOff

LCSys^{tem}.VWD_Board_Temperature.Acq
Off
LCSys^{tem}.VWD_OpticalUnit_Temp.AcqOff

LCSys^{tem}.VWD_Reference_Intensity.AcqO
ff
LCSys^{tem}.VWD_Sample_Intensity.AcqOff
LCSys^{tem}.VWD_UVLamp_AnodeVoltage.A
cqOff
LCSys^{tem}.VWD_Signal_A.AcqOff

End

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Property	Value
Settings for module Quat. Pump (G1311C - Pump: PUMP.0)	
Flow	1.000 [mL/min]
Low Pressure Limit	0.00 [bar]
High Pressure Limit	400.00 [bar]
Maximum Flow Gradient	100.000 [mL/min ²]
Primary Channel	Automatic
Section Stroke (StrokeA)	
Automatic Stroke Calculation	Yes
Section Compress (CompressA)	
Compressibility Mode	Compressibility Value Set
Compressibility	100 [10e-6/bar]
Section Stop Time (StopTime)	
Stoptime Mode	Time set
Stoptime	10.00 [min]
Section Post Time (PostTime)	
Posttime Mode	Off
Solvent Composition (SolventComposition)	
0	
Channel	A
Name 1	Mobile Phase
Used	Yes
Percent	100.0 [%]
1	
Channel	B
Name 1	
Used	No
2	
Channel	C
Name 1	
Used	No
3	
Channel	D
Name 1	
Used	No
Timetable (Timetable)	
Settings for module Sampler (G1329B - Sampler: SAMPLER.0)	
Section Auxiliary (Auxiliary)	
Draw Speed	200 [µL/min]
Eject Speed	200 [µL/min]
Draw Position Offset	0.0 [mm]
Section Injection (Injection)	
Injection Mode	Injection with needle wash
Injection Volume	10.00 [µL]
Section Needle Wash (Injection_NeedleWash)	
Needle Wash Location	Wash Vial
Wash Location	Vial 100

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Section High throughput (HighThroughput)	
Section Overlapped Injection (HighThroughput_OverlappedInjection)	
Enable Overlapped Injection	No
Section Thermostat (Thermostat)	
Not Ready Temperature Mode	Enable Analysis With Any Temperature
Thermostat Control	Thermostat Control Set Value
Thermostat Temperature	25 [°C]
Section Stop Time (StopTime)	
Stoptime Mode	As pump/No limit
Section Post Time (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	
Settings for module Column Comp. (G1316A - Column Comp.: COLCOMP.0)	
Section Left Temperature Control (LeftTemperatureControl)	
Temperature Control Mode	Temperature Set
Temperature	25.00 [°C]
Section Enable Analysis Left Temperature (LeftTemperatureControl_NotReadyLimit)	
Enable Analysis Left Temperature On	Yes
Enable Analysis Left Temperature Value	0.80 [°C]
Section Right Temperature Control (RightTemperatureControl)	
Right temperature Control Mode	Combined
Section Enable Analysis Right Temperature (RightTemperatureControl_NotReadyLimit)	
Enable Analysis Right Temperature On	Yes
Enable Analysis Right Temperature Value	0.80 [°C]
Section Stop Time (StopTime)	
Stoptime Mode	As pump/injector
Section Post Time (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	
Settings for module VWD (G1314F - VWD: VWD.0)	
Signal Peakwidth	> 0.1 min (2 s resp. time) (5 Hz)
Analog Output Source Channel	1
Signal Polarity	Positive (+)
Lamp on required for aquisition	Yes

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Acquire Signal without Reference	No
Acquire Reference only	No
Section Analog Output (AnalogOutput)	
Analog Zero Offset	5 [%]
Analog Attenuation	1000 [mAU]
Section Signals (Signals)	
Section Signal (Signals_Signal)	
Use Signal	Yes
Signal ID	Signal A
Signal Wavelength	210 [nm]
Section Autobalance (PrepareAutomation)	
Autobalance Prerun	Yes
Autobalance Postrun	No
Section Scan Variables (ScanVariables)	
Scan Range From	190 [nm]
Scan Range To	400 [nm]
Scan Range Step	2 [nm]
Section Stoptime (StopTime)	
Stoptime Mode	As pump/injector
Section Posttime (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	

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Property	Value
Settings for module Sampler (G1329B - Pretreatment (PretreatmentInstruction)	

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<i>Name</i>	Ramithiazide Assay- HPLC_ 04_ B
<i>Data Vault</i>	XVault
<i>Path</i>	chrom://qbd-pc-15/XVault/QbD-INST-HPLC-04/522/10-Jun-17_ HPLC 04.seq/Ramithiazide Assay- HPLC_ 04_ B.instmeth
<i>Comment</i>	Ramithiazide Assay
<i>Description</i>	New instrument method created
<i>Run time</i>	10.000 [min]
<i>Instrument</i>	QbD-INST-HPLC-04 on qbd-pc-15
<i>Created</i>	08-Jun-17 17:36 +05:30 Santosh Padmere
<i>Last Update</i>	10-Jun-17 18:40 +05:30 Sachin Pujari

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Stage	Time min	Command	Value	Comment
Instrument Setup	initial			
Inject Preparation	0.000	Wait	LCSystem.Ready	
Inject	0.000	LCSystem.ALS.Inject	Blank=Inject	
Start Run	0.000	LCSystem.ALS_Temperature.AcqOn LCSystem.QuatPump_Dir_PistonA.AcqOn LCSystem.QuatPump_Flow.AcqOn LCSystem.QuatPump_Pressure.AcqOn LCSystem.QuatPump_SolventRatioA.AcqOn LCSystem.QuatPump_SolventRatioB.AcqOn LCSystem.QuatPump_SolventRatioC.AcqOn LCSystem.QuatPump_SolventRatioD.AcqOn LCSystem.TCC_Left_Temperature.AcqOn LCSystem.TCC_Right_Temperature.AcqOn LCSystem.VWD_Board_Temperature.AcqOn LCSystem.VWD_OpticalUnit_Temp.AcqOn LCSystem.VWD_Reference_Intensity.AcqOn LCSystem.VWD_Sample_Intensity.AcqOn LCSystem.VWD_UVLamp_AnodeVoltage.AcqOn LCSystem.VWD_Signal_A.AcqOn		
Run			Duration = 10.000 [min]	
Stop Run	10.000	LCSystem.ALS_Temperature.AcqOff LCSystem.QuatPump_Dir_PistonA.AcqOff LCSystem.QuatPump_Flow.AcqOff LCSystem.QuatPump_Pressure.AcqOff LCSystem.QuatPump_SolventRatioA.AcqOff LCSystem.QuatPump_SolventRatioB.AcqOff LCSystem.QuatPump_SolventRatioC.AcqOff		

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LCSystem.QuatPump_SolventRatioD.AcqOff
LCSystem.TCC_Left_Temperature.AcqOff
LCSystem.TCC_Right_Temperature.AcqOff

LCSystem.VWD_Board_Temperature.AcqOff
LCSystem.VWD_OpticalUnit_Temp.AcqOff

LCSystem.VWD_Reference_Intensity.AcqOff
LCSystem.VWD_Sample_Intensity.AcqOff
LCSystem.VWD_UVLamp_AnodeVoltage.AcqOff
LCSystem.VWD_Signal_A.AcqOff

End

Pankaj
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Property	Value
Settings for module Quat. Pump (G1311C - Pump: PUMP.0)	
Flow	1.000 [mL/min]
Low Pressure Limit	0.00 [bar]
High Pressure Limit	400.00 [bar]
Maximum Flow Gradient	100.000 [mL/min ²]
Primary Channel	Automatic
Section Stroke (StrokeA)	
Automatic Stroke Calculation	Yes
Section Compress (CompressA)	
Compressibility Mode	Compressibility Value Set
Compressibility	100 [10e-6/bar]
Section Stop Time (StopTime)	
Stoptime Mode	Time set
Stoptime	10.00 [min]
Section Post Time (PostTime)	
Posttime Mode	Off
Solvent Composition (SolventComposition)	
0	
Channel	A
Name 1	
Used	Yes
Percent	0.0 [%]
1	
Channel	B
Name 1	Mobile Phase
Used	Yes
Percent	100.0 [%]
2	
Channel	C
Name 1	
Used	No
3	
Channel	D
Name 1	
Used	No
Timetable (Timetable)	
Settings for module Sampler (G1329B - Sampler: SAMPLER.0)	
Section Auxiliary (Auxiliary)	
Draw Speed	200 [µL/min]
Eject Speed	200 [µL/min]
Draw Position Offset	0.0 [mm]
Section Injection (Injection)	
Injection Mode	Injection with needle wash
Injection Volume	10.00 [µL]
Section Needle Wash (Injection_NeedleWash)	
Needle Wash Location	Wash Vial

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Wash Location	Vial 100
Section High throughput (HighThroughput)	
Section Overlapped Injection (HighThroughput_OverlappedInjection)	
Enable Overlapped Injection	No
Section Thermostat (Thermostat)	
Not Ready Temperature Mode	Enable Analysis With Any Temperature
Thermostat Control	Thermostat Control Set Value
Thermostat Temperature	25 [°C]
Section Stop Time (StopTime)	
Stoptime Mode	As pump/No limit
Section Post Time (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	
Settings for module Column Comp. (G1316A - Column Comp.: COLCOMP.0)	
Section Left Temperature Control (LeftTemperatureControl)	
Temperature Control Mode	Temperature Set
Temperature	25.00 [°C]
Section Enable Analysis Left Temperature (LeftTemperatureControl_NotReadyLimit)	
Enable Analysis Left Temperature On	Yes
Enable Analysis Left Temperature Value	0.80 [°C]
Section Right Temperature Control (RightTemperatureControl)	
Right temperature Control Mode	Combined
Section Enable Analysis Right Temperature (RightTemperatureControl_NotReadyLimit)	
Enable Analysis Right Temperature On	Yes
Enable Analysis Right Temperature Value	0.80 [°C]
Section Stop Time (StopTime)	
Stoptime Mode	As pump/injector
Section Post Time (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	
Settings for module VWD (G1314F - VWD: VWD.0)	
Signal Peakwidth	> 0.1 min (2 s resp. time) (5 Hz)
Analog Output Source Channel	1
Signal Polarity	Positive (+)

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Lamp on required for aquisition	Yes
Acquire Signal without Reference	No
Acquire Reference only	No
Section Analog Output (AnalogOutput)	
Analog Zero Offset	5 [%]
Analog Attenuation	1000 [mAU]
Section Signals (Signals)	
Section Signal (Signals_Signal)	
Use Signal	Yes
Signal ID	Signal A
Signal Wavelength	210 [nm]
Section Autobalance (PrepareAutomation)	
Autobalance Prerun	Yes
Autobalance Postrun	No
Section Scan Variables (ScanVariables)	
Scan Range From	190 [nm]
Scan Range To	400 [nm]
Scan Range Step	2 [nm]
Section Stoptime (StopTime)	
Stoptime Mode	As pump/injector
Section Posttime (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	

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Property	Value
Settings for module Sampler (G1329B -	
Pretreatment (PretreatmentInstruction)	

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Name	Ramithiazide Assay- HPLC_ 04_ C
Data Vault	XVault
Path	chrom://qbd-pc-15/XVault/QbD-INST-HPLC-04/522/10-Jun-17_ HPLC 04.seq/Ramithiazide Assay- HPLC_ 04_ C.instmeth
Comment	Ramithiazide Assay
Description	New instrument method created
Run time	10.000 [min]
Instrument	QbD-INST-HPLC-04 on qbd-pc-15
Created	08-Jun-17 17:36 +05:30 Santosh Padmure
Last Update	10-Jun-17 18:42 +05:30 Sachin Pujari

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Stage	Time min	Command	Value	Comment
Instrument Setup	initial			
Inject Preparation	0.000	Wait	LCSystem.Ready	
Inject	0.000	LCSystem.ALS.Inject	Blank=Inject	
Start Run	0.000	LCSystem.ALS_Temperature.AcqOn LCSystem.QuatPump_Dir_PistonA.AcqOn LCSystem.QuatPump_Flow.AcqOn LCSystem.QuatPump_Pressure.AcqOn LCSystem.QuatPump_SolventRatioA.AcqOn LCSystem.QuatPump_SolventRatioB.AcqOn LCSystem.QuatPump_SolventRatioC.AcqOn LCSystem.QuatPump_SolventRatioD.AcqOn LCSystem.TCC_Left_Temperature.AcqOn LCSystem.TCC_Right_Temperature.AcqOn LCSystem.VWD_Board_Temperature.AcqOn LCSystem.VWD_OpticalUnit_Temp.AcqOn LCSystem.VWD_Reference_Intensity.AcqOn LCSystem.VWD_Sample_Intensity.AcqOn LCSystem.VWD_UVLamp_AnodeVoltage.AcqOn LCSystem.VWD_Signal_A.AcqOn		
Run			Duration = 10.000 [min]	
Stop Run	0.000			
	10.000	LCSystem.ALS_Temperature.AcqOff LCSystem.QuatPump_Dir_PistonA.AcqOff LCSystem.QuatPump_Flow.AcqOff LCSystem.QuatPump_Pressure.AcqOff LCSystem.QuatPump_SolventRatioA.AcqOff LCSystem.QuatPump_SolventRatioB.AcqOff LCSystem.QuatPump_SolventRatioC.AcqOff		

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LCSystem.QuatPump_SolventRatioD.AcqOff
LCSystem.TCC_Left_Temperature.AcqOff
LCSystem.TCC_Right_Temperature.AcqOff

LCSystem.VWD_Board_Temperature.AcqOff
LCSystem.VWD_OpticalUnit_Temp.AcqOff

LCSystem.VWD_Reference_Intensity.AcqOff
LCSystem.VWD_Sample_Intensity.AcqOff
LCSystem.VWD_UVLamp_AnodeVoltage.AcqOff
LCSystem.VWD_Signal_A.AcqOff

End

Bma
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Pujari
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Property	Value
Settings for module Quat. Pump (G1311C - Pump: PUMP.0)	
Flow	1.000 [mL/min]
Low Pressure Limit	0.00 [bar]
High Pressure Limit	400.00 [bar]
Maximum Flow Gradient	100.000 [mL/min ²]
Primary Channel	Automatic
Section Stroke (StrokeA)	
Automatic Stroke Calculation	Yes
Section Compress (CompressA)	
Compressibility Mode	Compressibility Value Set
Compressibility	100 [10e-6/bar]
Section Stop Time (StopTime)	
Stoptime Mode	Time set
Stoptime	10.00 [min]
Section Post Time (PostTime)	
Posttime Mode	Off
Solvent Composition (SolventComposition)	
0	
Channel	A
Name 1	
Used	Yes
Percent	0.0 [%]
1	
Channel	B
Name 1	
Used	No
2	
Channel	C
Name 1	Mobile phase
Used	Yes
Percent	100.0 [%]
3	
Channel	D
Name 1	
Used	No
Timetable (Timetable)	
Settings for module Sampler (G1329B - Sampler: SAMPLER.0)	
Section Auxiliary (Auxiliary)	
Draw Speed	200 [µL/min]
Eject Speed	200 [µL/min]
Draw Position Offset	0.0 [mm]
Section Injection (Injection)	
Injection Mode	Injection with needle wash
Injection Volume	10.00 [µL]
Section Needle Wash (Injection_NeedleWash)	
Needle Wash Location	Wash Vial

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10-Jun-17

Wash Location	Vial 100
Section High throughput (HighThroughput)	
Section Overlapped Injection (HighThroughput_OverlappedInjection)	
Enable Overlapped Injection	No
Section Thermostat (Thermostat)	
Not Ready Temperature Mode	Enable Analysis With Any Temperature
Thermostat Control	Thermostat Control Set Value
Thermostat Temperature	25 [°C]
Section Stop Time (StopTime)	
Stoptime Mode	As pump/No limit
Section Post Time (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	
Settings for module Column Comp. (G1316A - Column Comp.: COLCOMP.0)	
Section Left Temperature Control (LeftTemperatureControl)	
Temperature Control Mode	Temperature Set
Temperature	25.00 [°C]
Section Enable Analysis Left Temperature (LeftTemperatureControl_NotReadyLimit)	
Enable Analysis Left Temperature On	Yes
Value	0.80 [°C]
Section Right Temperature Control (RightTemperatureControl)	
Right temperature Control Mode	Combined
Section Enable Analysis Right Temperature (RightTemperatureControl_NotReadyLimit)	
Enable Analysis Right Temperature On	Yes
Value	0.80 [°C]
Section Stop Time (StopTime)	
Stoptime Mode	As pump/injector
Section Post Time (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	
Settings for module VWD (G1314F - VWD: VWD.0)	
Signal Peakwidth	> 0.1 min (2 s resp. time) (5 Hz)
Analog Output Source Channel	1
Signal Polarity	Positive (+)

Pankaj Gurav
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Lamp on required for aquisition	Yes
Acquire Signal without Reference	No
Acquire Reference only	No
Section Analog Output (AnalogOutput)	
Analog Zero Offset	5 [%]
Analog Attenuation	1000 [mAU]
Section Signals (Signals)	
Section Signal (Signals_Signal)	
Use Signal	Yes
Signal ID	Signal A
Signal Wavelength	210 [nm]
Section Autobalance (PrepareAutomation)	
Autobalance Prerun	Yes
Autobalance Postrun	No
Section Scan Variables (ScanVariables)	
Scan Range From	190 [nm]
Scan Range To	400 [nm]
Scan Range Step	2 [nm]
Section Stoptime (StopTime)	
Stoptime Mode	As pump/injector
Section Posttime (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable TimetableEntry)	

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Property	Value
Settings for module Sampler (G1329B - Pretreatment (PretreatmentInstruction)	

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Name	Ramithiazide Assay- HPLC_ 04_ D
Data Vault	XVault
Path	chrom://qbd-pc-15/XVault/QbD-INST-HPLC-04/522/10-Jun-17_ HPLC 04.seq/Ramithiazide Assay- HPLC_ 04_ D.instmeth
Comment	Ramithiazide Assay
Description	New instrument method created
Run time	10.000 [min]
Instrument	QbD-INST-HPLC-04 on qbd-pc-15
Created	08-Jun-17 17:36 +05:30 Santosh Padmure
Last Update	10-Jun-17 18:42 +05:30 Sachin Pujari

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Stage	Time min	Command	Value	Comment
Instrument Setup	initial			
Inject Preparation	0.000	Wait	LCSystem.Ready	
Inject	0.000	LCSystem.ALS.Inject	Blank=Inject	
Start Run	0.000	LCSystem.ALS_Temperature.AcqOn LCSystem.QuatPump_Dir_PistonA.AcqOn LCSystem.QuatPump_Flow.AcqOn LCSystem.QuatPump_Pressure.AcqOn LCSystem.QuatPump_SolventRatioA.AcqOn LCSystem.QuatPump_SolventRatioB.AcqOn LCSystem.QuatPump_SolventRatioC.AcqOn LCSystem.QuatPump_SolventRatioD.AcqOn LCSystem.TCC_Left_Temperature.AcqOn LCSystem.TCC_Right_Temperature.AcqOn LCSystem.VWD_Board_Temperature.AcqOn LCSystem.VWD_OpticalUnit_Temp.AcqOn LCSystem.VWD_Reference_Intensity.AcqOn LCSystem.VWD_Sample_Intensity.AcqOn LCSystem.VWD_UVLamp_AnodeVoltage.AcqOn LCSystem.VWD_Signal_A.AcqOn		
Run	0.000		Duration = 10.000 [min]	
Stop Run	10.000	LCSystem.ALS_Temperature.AcqOff LCSystem.QuatPump_Dir_PistonA.AcqOff LCSystem.QuatPump_Flow.AcqOff LCSystem.QuatPump_Pressure.AcqOff LCSystem.QuatPump_SolventRatioA.AcqOff LCSystem.QuatPump_SolventRatioB.AcqOff LCSystem.QuatPump_SolventRatioC.AcqOff		

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LCSystem.QuatPump_SolventRatioD.AcqOff
LCSystem.TCC_Left_Temperature.AcqOff
LCSystem.TCC_Right_Temperature.AcqOff

LCSystem.VWD_Board_Temperature.AcqOff
LCSystem.VWD_OpticalUnit_Temp.AcqOff

LCSystem.VWD_Reference_Intensity.AcqOff
LCSystem.VWD_Sample_Intensity.AcqOff
LCSystem.VWD_UVLamp_AnodeVoltage.AcqOff
LCSystem.VWD_Signal_A.AcqOff
```

End

Pankaj
10-Jun-17

Pankaj
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Property	Value
Settings for module Quat. Pump (G1311C - Pump: PUMP.0)	
Flow	1.000 [mL/min]
Low Pressure Limit	0.00 [bar]
High Pressure Limit	400.00 [bar]
Maximum Flow Gradient	100.000 [mL/min ²]
Primary Channel	Automatic
Section Stroke (StrokeA)	
Automatic Stroke Calculation	Yes
Section Compress (CompressA)	
Compressibility Mode	Compressibility Value Set
Compressibility	100 [10e-6/bar]
Section Stop Time (StopTime)	
Stoptime Mode	Time set
Stoptime	10.00 [min]
Section Post Time (PostTime)	
Posttime Mode	Off
Solvent Composition (SolventComposition)	
0	
Channel	A
Name 1	
Used	Yes
Percent	0.0 [%]
1	
Channel	B
Name 1	
Used	No
2	
Channel	C
Name 1	
Used	No
3	
Channel	D
Name 1	Mobile Phase
Used	Yes
Percent	100.0 [%]
Timetable (Timetable)	
Settings for module Sampler (G1329B - Sampler: SAMPLER.0)	
Section Auxiliary (Auxiliary)	
Draw Speed	200 [µL/min]
Eject Speed	200 [µL/min]
Draw Position Offset	0.0 [mm]
Section Injection (Injection)	
Injection Mode	Injection with needle wash
Injection Volume	10.00 [µL]
Section Needle Wash (Injection_NeedleWash)	
Needle Wash Location	Wash Vial

Bhuvan
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Sachin
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Wash Location	Vial 100
Section High throughput (HighThroughput)	
Section Overlapped Injection (HighThroughput_OverlappedInjection)	
Enable Overlapped Injection	No
Section Thermostat (Thermostat)	
Not Ready Temperature Mode	Enable Analysis With Any Temperature
Thermostat Control	Thermostat Control Set Value
Thermostat Temperature	25 [°C]
Section Stop Time (StopTime)	
Stoptime Mode	As pump/No limit
Section Post Time (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	
Settings for module Column Comp. (G1316A - Column Comp.: COLCOMP.0)	
Section Left Temperature Control (LeftTemperatureControl)	
Temperature Control Mode	Temperature Set
Temperature	25.00 [°C]
Section Enable Analysis Left Temperature (LeftTemperatureControl_NotReadyLimit)	
Enable Analysis Left Temperature On	Yes
Enable Analysis Left Temperature Value	0.80 [°C]
Section Right Temperature Control (RightTemperatureControl)	
Right temperature Control Mode	Combined
Section Enable Analysis Right Temperature (RightTemperatureControl_NotReadyLimit)	
Enable Analysis Right Temperature On	Yes
Enable Analysis Right Temperature Value	0.80 [°C]
Section Stop Time (StopTime)	
Stoptime Mode	As pump/injector
Section Post Time (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	
Settings for module VWD (G1314F - VWD: VWD.0)	
Signal Peakwidth	> 0.1 min (2 s resp. time) (5 Hz)
Analog Output Source Channel	1
Signal Polarity	Positive (+)

Ram
10-Jun-17

Pankaj
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Lamp on required for aquisition	Yes
Acquire Signal without Reference	No
Acquire Reference only	No
Section Analog Output (AnalogOutput)	
Analog Zero Offset	5 [%]
Analog Attenuation	1000 [mAU]
Section Signals (Signals)	
Section Signal (Signals_Signal)	
Use Signal	Yes
Signal ID	Signal A
Signal Wavelength	210 [nm]
Section Autobalance (PrepareAutomation)	
Autobalance Prerun	Yes
Autobalance Postrun	No
Section Scan Variables (ScanVariables)	
Scan Range From	190 [nm]
Scan Range To	400 [nm]
Scan Range Step	2 [nm]
Section Stoptime (StopTime)	
Stoptime Mode	As pump/injector
Section Posttime (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	

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Property	Value
Settings for module Sampler (G1329B -	
Pretreatment (PretreatmentInstruction)	

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