

CONTENT UNIFORMITY METHOD VALIDATION

Product name :	Ramithiazide tablets 10mg/25mg
Lable claim (mg) :	10
Content :	Ramipril
B. No. :	GS170403
Parameter :	Intermediate Precision
LNB No./Pg. No.:	419/090

Analysis Date: 17-Jun-17

Name of standard	Standard B. No.	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	RL-14203	99.80	25.90	25 mL; 2 mL -> 100 mL	20.7

Sr.No.	RT	Area
1	3.967	7165.858
2	3.967	7134.225
3	3.962	7190.984
4	3.964	7136.100
5	3.964	7201.360
6	3.958	7249.552
Bkt Std	3.944	7342.315
Average	3.964	7179.680
SD	0.00	43.90
%RSD	0.09	0.61
System suitability results		
% RSD of Area	0.61	NMT 2.0%
Tailing factor	1.03	NMT 2.0
Theoretical plates	11081	NLT 2000

Test Solution :	1	Tablet in	250.0	mL with Diluent
	5	ml	10.0	mL with Diluent

Sample	Tablets Weight (mg)	Peak Area of Sample	% Content
1	199.97	6379.967	91.9
2	201.56	6778.099	97.6
3	197.78	6965.385	100.3
4	195.75	6849.165	98.6
5	200.69	6779.973	97.6
6	199.87	7308.197	105.2
7	199.91	6841.221	98.5
8	198.52	6855.122	98.7
9	196.46	6839.633	98.5
10	202.30	6756.875	97.3
		Min	91.88
		Max	105.24
		Mean	98.43
		SD	3.26
		% RSD	3.31
		AV Value	7.9

Done by:

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DISSOLUTION METHOD VALIDATION

Product name :	Ramithiazide tablets 10mg/25mg
Lable claim (mg) :	25
Content :	Hydrochlorothiazide
B. No. :	GS170403
Parameter :	Intermediate Precision
LNB No./Pg. No.:	419/090

Analysis Date: 17-Jun-17

Name of standard	Standard B. No.	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Hydrochlorothiazide	20140403	99.90	24.50	25 mL; 5 mL → 100 mL	49.0

Sr.No.	RT	Area
1	2.121	26141.105
2	2.120	26153.819
3	2.122	26199.716
4	2.118	26184.731
5	2.117	26236.855
6	2.118	26380.428
Bkt Std	2.117	26642.660
Average	2.119	26216.109
SD	0.00	87.40
%RSD	0.09	0.33

System suitability results

% RSD of Area	0.33	NMT 2.0%
Tailing factor	1.08	NMT 2.0
Theoretical plates	10583	NLT 2000

Test Solution :	1	Tablet in	250.0	mL with Diluent
	5	ml	10.0	mL with Diluent

Sample	Tablets Weight (mg)	Peak Area of Sample	% Content
1	199.97	25578.397	95.5
2	201.56	26562.750	99.2
3	197.78	26813.157	100.1
4	195.75	27476.889	102.6
5	200.69	26955.541	100.7
6	199.87	28934.875	108.1
7	199.91	26756.172	99.9
8	198.52	26881.100	100.4
9	196.46	27172.322	101.5
10	202.30	26817.056	100.1
		Min	95.5
		Max	108.1
		Mean	100.8
		SD	3.14
		% RSD	3.11
		AV Value	7.5

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29-Jun-17

CONTENT UNIFORMITY METHOD VALIDATION

Product name :	Ramithiazide tablets 5mg/12.5mg
Lable claim (mg) :	5
Content :	Ramipril
B. No. :	GS170401
Parameter :	Intermediate Precision
LNB No./Pg. No.:	419/105

Analysis Date: 24-Jun-17

Name of standard	Standard B. No.	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	RL-14203	99.8	25.95	25 mL; 2 mL -> 100 mL	20.8

Sr.No.	RT	Area	RT	Area
1	2.107	26757.552	3.973	7000.661
2	2.110	26742.164	3.977	7017.555
3	2.107	26729.583	3.974	7006.084
4	2.112	26720.862	3.972	7009.540
5	2.107	26715.221	3.973	7010.196
6	2.112	26708.079	3.972	6990.409
Average	2.109	26728.910	3.974	7005.741
SD	0.00	18.34	0.00	9.33
%RSD	0.12	0.07	0.05	0.13

System suitability results of Ramipril

% RSD of Area	0.13	NMT 2.0%
Tailing factor	1.03	NMT 2.0
Theoretical plates	11081	NLT 2000

Test Solution :	1	Tablet in	250.0	mL with Diluent
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Sample	Tablets Weight (mg)	Peak Area of Sample	% Content
1	199.98	6811.163	100.7
2	195.70	6536.646	96.7
3	199.17	6440.453	95.2
4	194.89	6638.071	98.2
5	196.42	6489.863	96.0
6	197.84	6595.169	97.5
7	195.91	6659.570	98.5
8	197.34	6602.860	97.6
9	197.05	6587.300	97.4
10	197.94	6578.018	97.3
		Min	95.2
		Max	100.7
		Mean	97.5
		SD	1.49
		% RSD	1.53
		AV Value	4.6

Done by:

Date:

P. Kumar
29-Jun-17

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Q. J. Singh
29-Jun-17

CONTENT UNIFORMITY METHOD VALIDATION

Product name :	Ramithiazide tablets 5mg/12.5mg
Lable claim (mg) :	12.5
Content :	Hydrochlorothiazide
B. No. :	GS170401
Parameter :	Intermediate Precision
LNB No./Pg. No.:	419/105

Analysis Date: 24-Jun-17

Name of standard	Standard B. No.	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Hydrochlorothiazide	20140403	99.9	25.43	25 mL; 5 mL -> 100 mL	50.9

Sr.No.	RT	Area	RT	Area
1	2.107	26757.552	3.973	7000.661
2	2.110	26742.164	3.977	7017.555
3	2.107	26729.583	3.974	7006.084
4	2.112	26720.862	3.972	7009.540
5	2.107	26715.221	3.973	7010.196
6	2.112	26708.079	3.972	6990.409
Average	2.109	26728.910	3.974	7005.741
SD	0.00	18.34	0.00	9.33
%RSD	0.12	0.07	0.05	0.13

System suitability results of Hydrochlorothiazide		
% RSD of Area	0.07	NMT 2.0%
Tailing factor	1.08	NMT 2.0
Theoretical plates	10583	NLT 2000

Test Solution :	1	Tablet in	250.0	mL with Diluent
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Sample	Tablets Weight (mg)	Peak Area of Sample	% Content
1	199.98	26738.909	101.7
2	195.70	26777.155	101.8
3	199.17	26455.655	100.6
4	194.89	26811.343	101.9
5	196.42	26641.010	101.3
6	197.84	26754.995	101.7
7	195.91	26962.827	102.5
8	197.34	26777.232	101.8
9	197.05	26783.011	101.8
10	197.94	26719.267	101.6
		Min	100.6
		Max	102.5
		Mean	101.7
		SD	0.49
		% RSD	0.48
		AV Value	1.4

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CONTENT UNIFORMITY METHOD VALIDATION

Product name :	Ramithiazide tablets 10mg/12.5mg
Lable claim (mg) :	10
Content :	Ramipril
B. No. :	GSI70402
Parameter :	Intermediate Precision
LNB No./Pg. No.:	419/090

Analysis Date: 17-Jun-17

Name of standard	Standard B. No.	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Ramipril	RL-14203	99.8	25.90	25 mL; 2 mL -> 100 mL	20.7

Sr.No.	RT of HCTZ	Area of HCTZ	RT of Ramipril	Area of Ramipril
1	2.118	13481.003	3.944	7266.084
2	2.115	13300.734	3.942	7175.544
3	2.113	13314.339	3.946	7203.315
4	2.118	13327.831	3.944	7248.287
5	2.117	13325.621	3.944	7168.018
6	2.118	13327.657	3.945	7219.029
Average	2.117	13346.198	3.944	7213.380
SD	0.00	66.87	0.00	39.04
%RSD	0.10	0.50	0.03	0.54

System suitability results of Ramipril

% RSD of Area	0.54	NMT 2.0%
Tailing factor	1.08	NMT 2.0
Theoretical plates	6017	NLT 2000

Test Solution :	1	Tablet in	250.0	mL with Diluent
	5	ml	10.0	mL with Diluent

Sample	Tablets Weight (mg)	Peak Area of Sample	% Content
1	195.98	7096.170	101.7
2	201.22	7127.199	102.2
3	195.81	7127.021	102.2
4	200.20	7085.981	101.6
5	195.30	7018.480	100.6
6	199.39	6980.559	100.1
7	197.59	7081.134	101.5
8	199.74	7101.660	101.8
9	198.10	6986.968	100.1
10	200.49	7089.246	101.6
		Min	100.1
		Max	102.2
		Mean	101.3
		SD	0.78
		% RSD	0.77
		AV Value	1.9

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DISSOLUTION METHOD VALIDATION

Product name :	Ramithiazide tablets 10mg/12.5mg
Lable claim (mg) :	12.5
Content :	Hydrochlorothiazide
B. No. :	GS170402
Parameter :	Intermediate Precision
LNB No./Pg. No.:	419/090

Analysis Date: 17-Jun-17

Name of standard	Standard purity(%)	Standard wt (mg)	Dilution details	Conc (ppm)
Hydrochlorothiazide	99.80	24.50	25 mL; 5 mL -> 100 mL	24.5

Sr.No.	RT of HCTZ	Area of HCTZ	RT of Ramipril	Area of Ramipril
1	2.118	13481.003	3.944	7266.084
2	2.115	13300.734	3.942	7175.544
3	2.113	13314.339	3.946	7203.315
4	2.118	13327.831	3.944	7248.287
5	2.117	13325.621	3.944	7168.018
6	2.118	13327.657	3.945	7219.029
Bkt Std	2.115	13347.888	3.942	7192.936
Average	2.117	13346.198	3.944	7213.380
SD	0.00	66.87	0.00	39.04
%RSD	0.10	0.50	0.03	0.54
System suitability results of Hydrochlorothiazide				
% RSD of Area	0.50	NMT 2.0%		
Tailing factor	1.13	NMT 2.0		
Theoretical plates	5479	NLT 2000		

Test Solution :	1	Tablet in	250.0	mL with Diluent
	5	ml	10.0	mL with Diluent

Sample	Tablets Weight (mg)	Peak Area of Sample	% Content
1	195.98	13502.588	99.0
2	201.22	14463.008	106.0
3	195.81	13649.699	100.0
4	200.20	13756.050	100.8
5	195.30	13677.799	100.2
6	199.39	13619.010	99.8
7	197.59	13654.006	100.1
8	199.74	13587.821	99.6
9	198.10	13745.397	100.7
10	200.49	13510.451	99.0
		Min	99.0
		Max	106.0
		Mean	100.5
		SD	2.02
		% RSD	2.01
		AV Value	6.0

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Date: 29-Jun-17

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Date: 29-Jun-17

CONTENT UNIFORMITY METHOD VALIDATION

Product name :	Ramithiazide tablets
Content :	Ramipril
Parameter :	Comparision between Precision and Intermediate precision

Sr.No.	Lable claim (mg)	Test	% Mean Content	% mean Difference of content
1	Ramithiazide tablets 5mg/12.5mg	Precision	98.3	0.8
		Intermediate precision	97.5	
2	Ramithiazide tablets 10mg/12.5mg	Precision	101.0	0.4
		Intermediate precision	101.3	
3	Ramithiazide tablets 10mg/25mg	Precision	97.4	1.1
		Intermediate precision	98.4	

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CONTENT UNIFORMITY METHOD VALIDATION

Product name :	Ramithiazide tablets	
Content :	Hydrochlorothiazide	
Parameter :	Comparision between Precision and Intermediate precision	

Sr.No.	Lable claim (mg)	Test	% Mean Content	% mean Difference of content
1	Ramithiazide tablets 5mg/12.5mg	Precision	103.8	2.1
		Intermediate precision	101.7	
2	Ramithiazide tablets 10mg/12.5mg	Precision	103.4	2.9
		Intermediate precision	100.5	
3	Ramithiazide tablets 10mg/25mg	Precision	102.2	1.4
		Intermediate precision	100.8	

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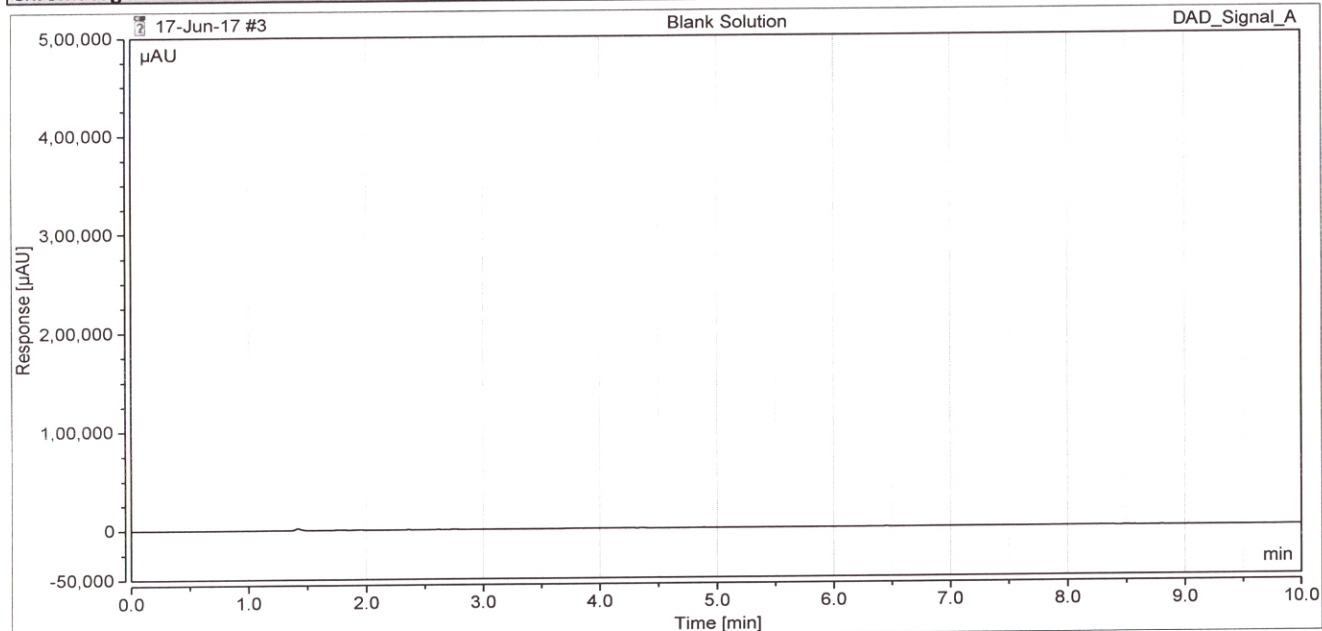
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Qbd Research and Development Pvt. Ltd

Injection Details

Injection Name:	Blank Solution	Run Time (min):	10.00
Vial Number:	Vial:1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 16:17	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

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

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29-Jun-17

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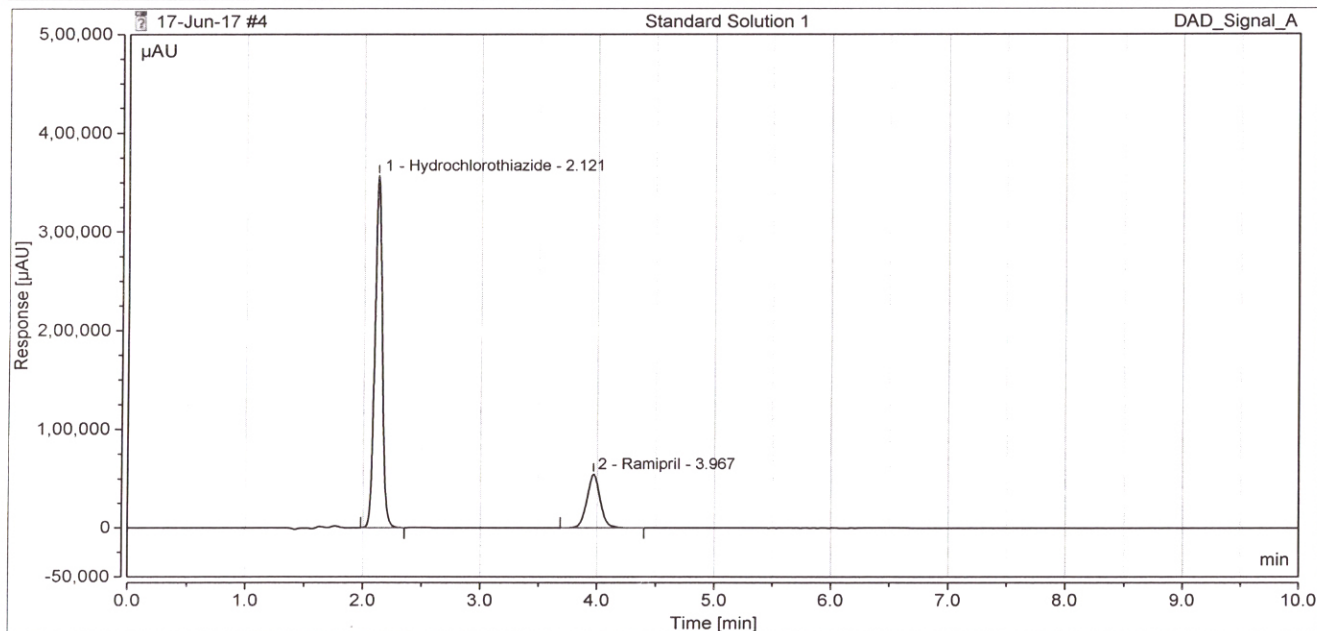
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Standard Solution 1
 Vial Number: Vial:2
 Injection Type: Unknown
 Instrument Method: Ramithiazide CU HPLC-51
 Processing Method: PR Method_2
 Injection Date/Time: 17-Jun-2017 16:29
 User Name: Pankaj Gurav

Run Time (min): 10.00
 Injection Volume: 10.00
 Channel: DAD_Signal_A
 Wavelength: 210
 Instrument Name: Qbd-INST-HPLC-51
 Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.121	26141.105	78.49	5479	1.13
2	Ramipril	3.967	7165.858	21.51	6133	1.07
Total:			33306.963			

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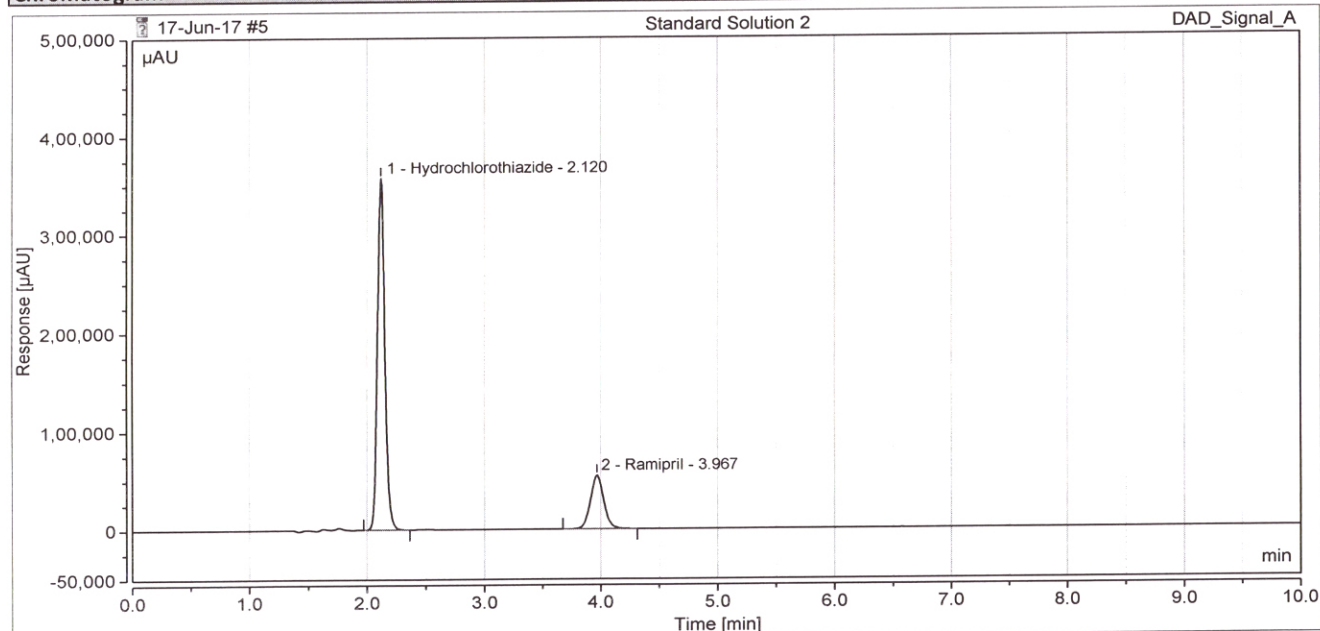
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Injection Details

Injection Name:	Standard Solution 2	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_ 2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 16:41	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.120	26153.819	78.57	5492	1.14
2	Ramipril	3.967	7134.225	21.43	6144	1.06
Total:			33288.043			

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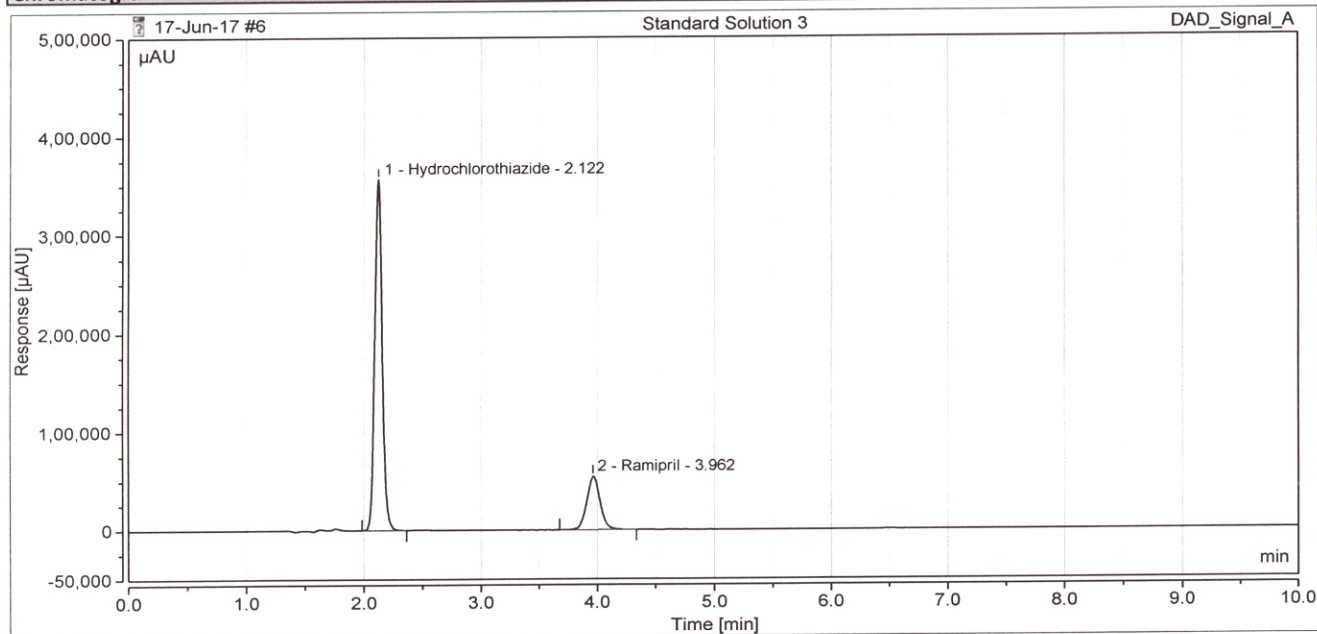
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Injection Details

Injection Name: Standard Solution 3
 Vial Number: Vial:2
 Injection Type: Unknown
 Instrument Method: Ramithiazide CU HPLC-51
 Processing Method: PR Method_ 2
 Injection Date/Time: 17-Jun-2017 16:53
 User Name: Pankaj Gurav

Run Time (min): 10.00
 Injection Volume: 10.00
 Channel: DAD_Signal_A
 Wavelength: 210
 Instrument Name: Qbd-INST-HPLC-51
 Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.122	26199.716	78.46	5518	1.10
2	Ramipril	3.962	7190.984	21.54	6068	1.07
Total:			33390.700			

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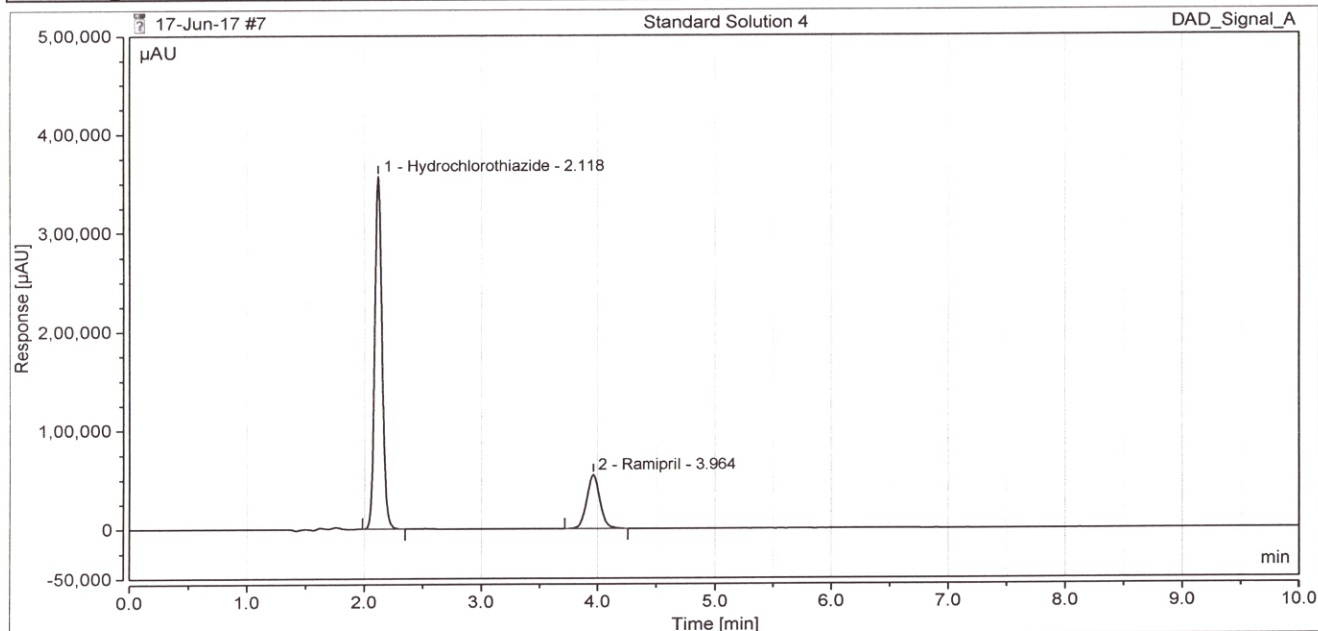
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Injection Details

Injection Name:	Standard Solution 4	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 17:05	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	26184.731	78.58	5516	1.16
2	Ramipril	3.964	7136.100	21.42	6116	1.03
Total:			33320.831			

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23-Jun-17

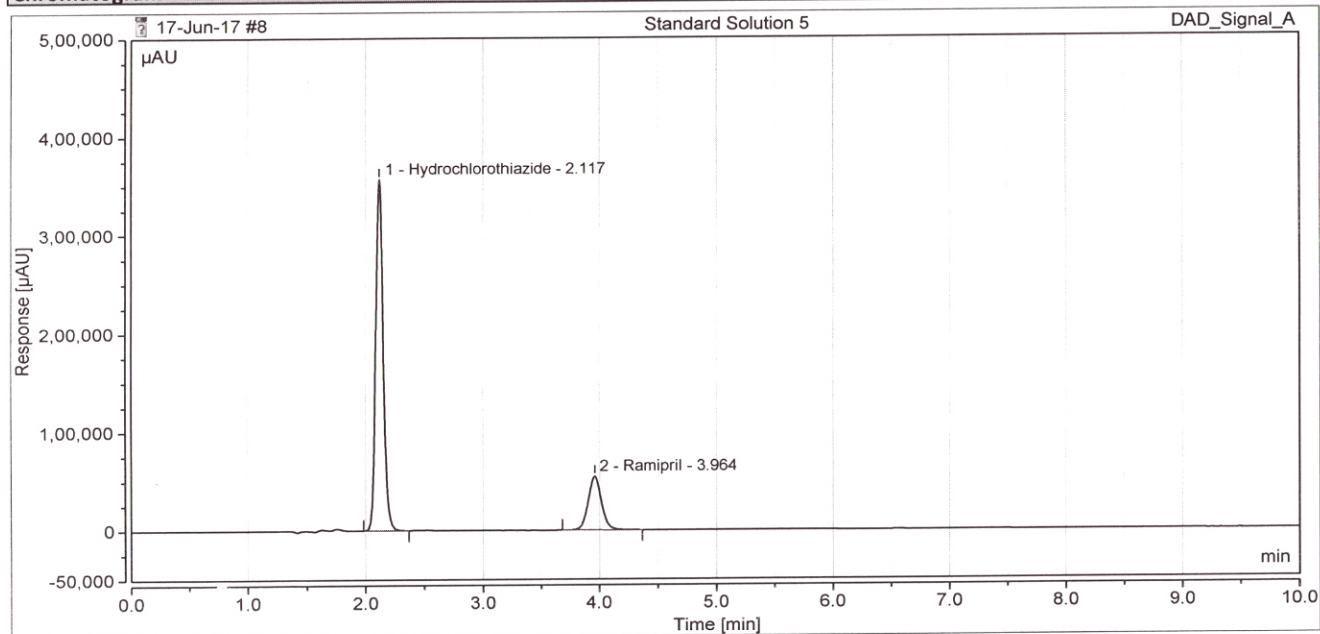
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Injection Details

Injection Name:	Standard Solution 5	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 17:17	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.117	26236.855	78.46	5520	1.17
2	Ramipril	3.964	7201.360	21.54	6112	1.04
Total:			33438.215			

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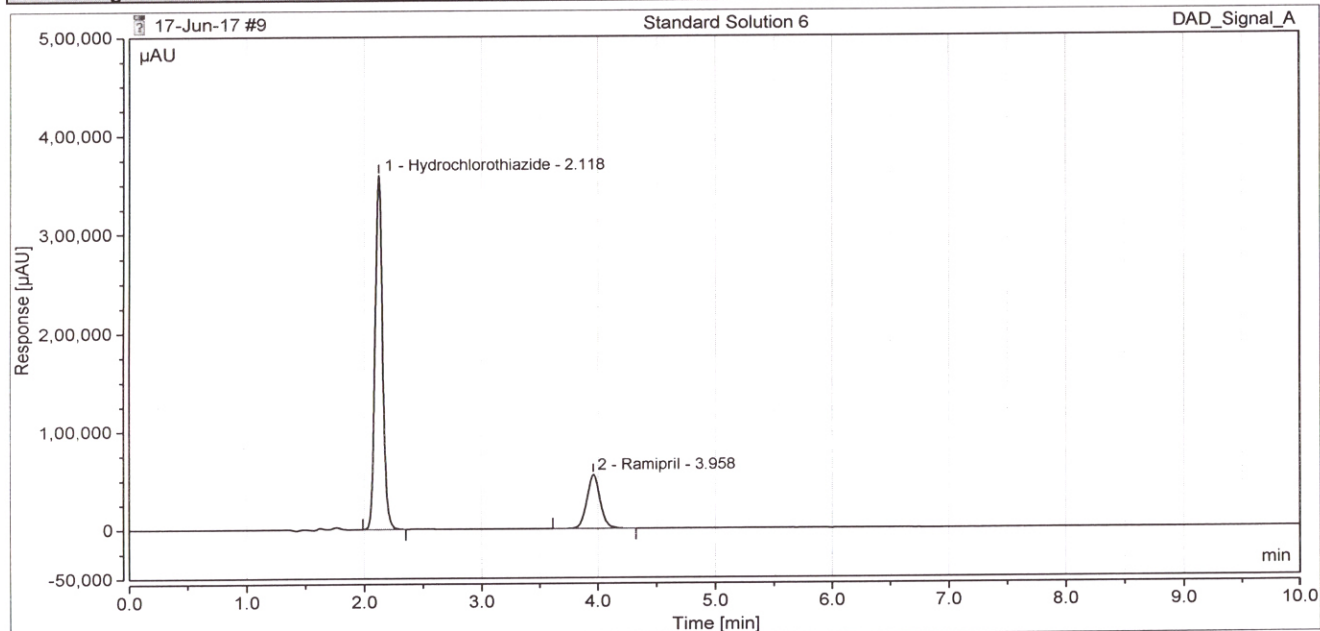
Qbd Research and Development Pvt. Ltd

Injection Details

Injection Name: Standard Solution 6
Vial Number: Vial:2
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_ 2
Injection Date/Time: 17-Jun-2017 17:28
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	26380.428	78.44	5511	1.16
2	Ramipril	3.958	7249.552	21.56	6080	1.08
Total:			33629.980			

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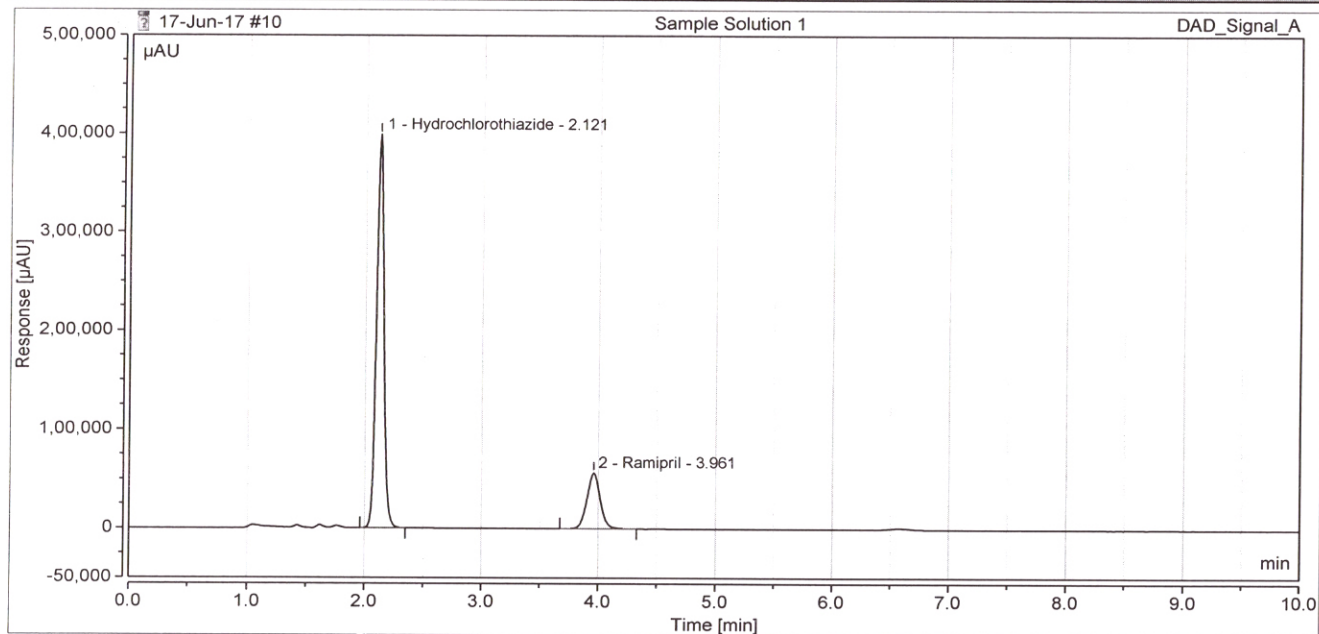
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Injection Details

Injection Name: Sample Solution 1
Vial Number: Vial:3
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 17-Jun-2017 17:40
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.121	29297.051	79.76	5478	1.11
2	Ramipril	3.961	7433.170	20.24	6109	1.05
Total:			36730.221			

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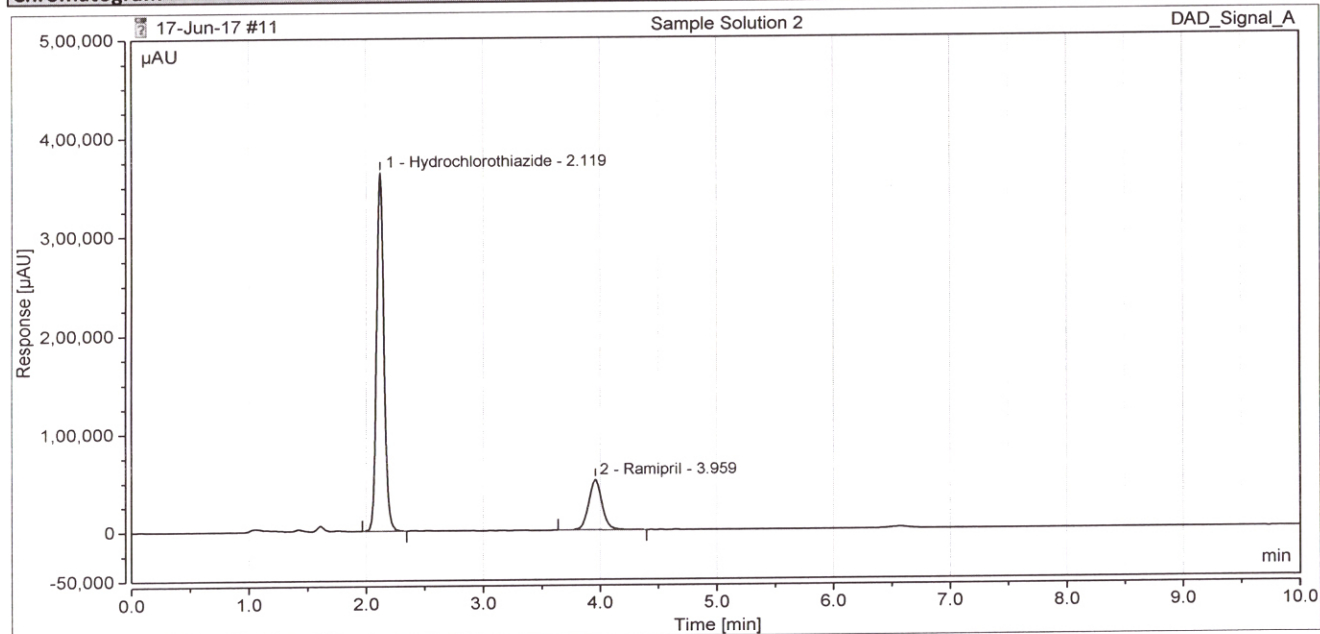
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Injection Details

Injection Name: Sample Solution 2
Vial Number: Vial:4
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 17-Jun-2017 17:52
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.119	26680.581	79.69	5478	1.13
2	Ramipril	3.959	6798.058	20.31	6086	1.04
Total:			33478.638			

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25-Jun-17

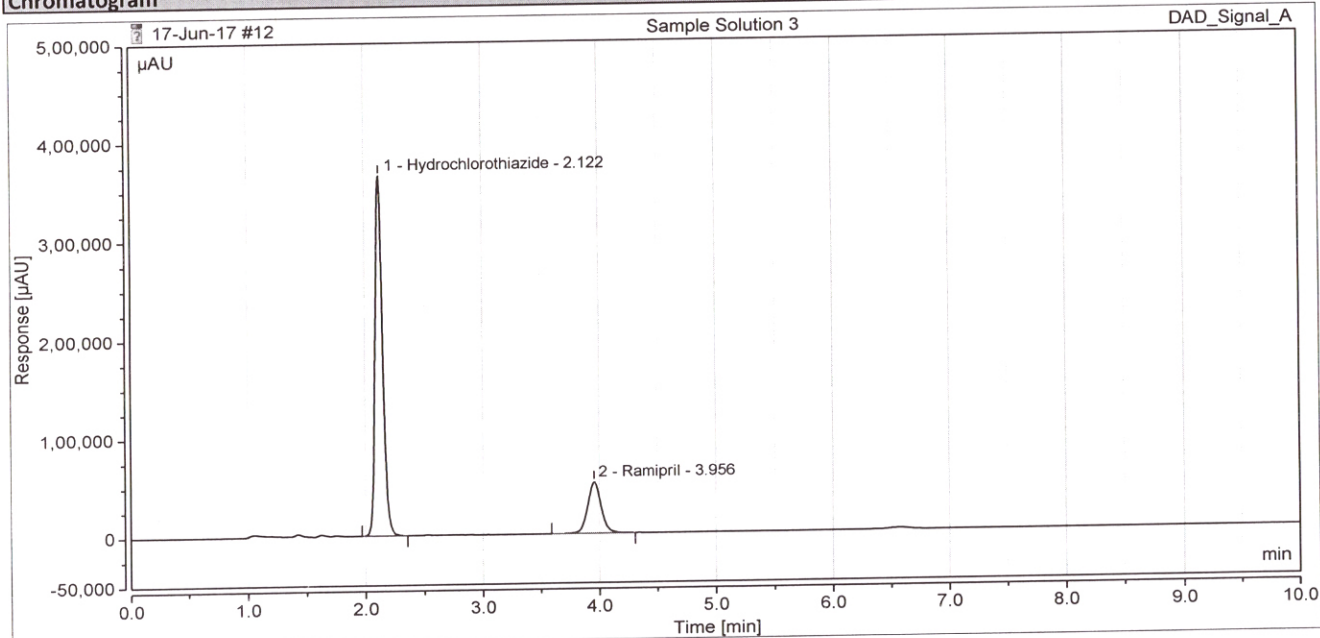
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Sample Solution 3
Vial Number: Vial:5
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 17-Jun-2017 18:04
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.122	26964.852	79.64	5534	1.08
2	Ramipril	3.956	6895.440	20.36	6075	1.07
Total:			33860.292			

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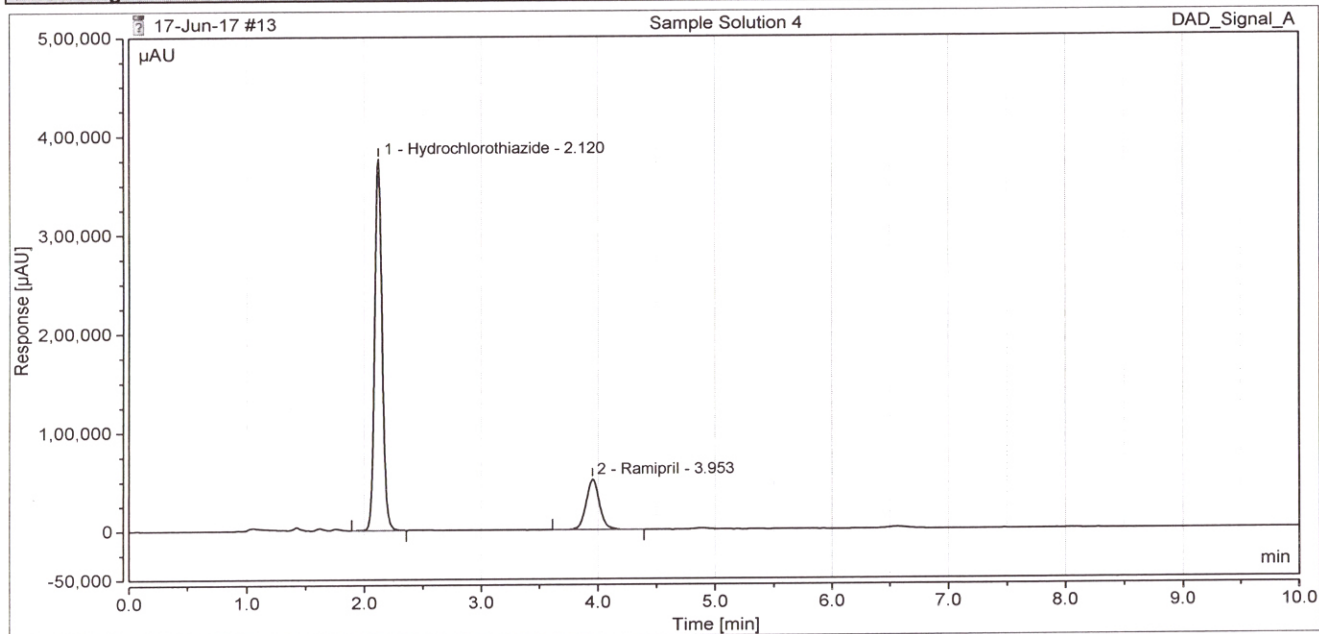
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Injection Details

Injection Name: Sample Solution 4
Vial Number: Vial:6
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 17-Jun-2017 18:15
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



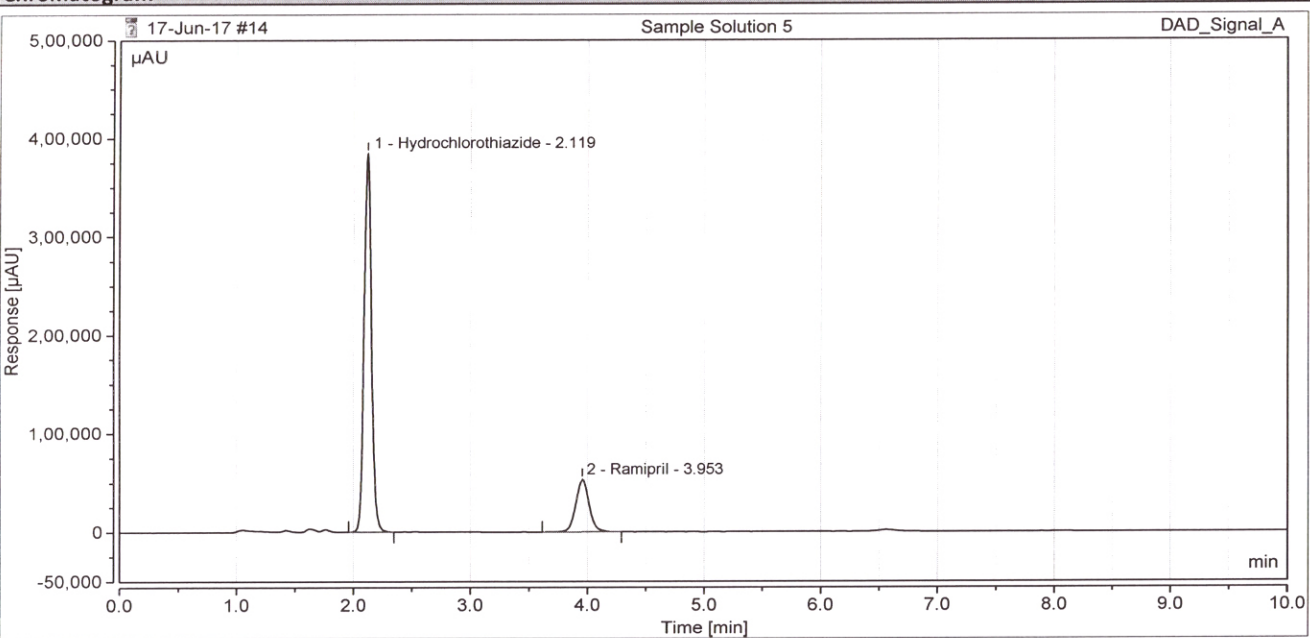
Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.120	27601.043	80.23	5490	1.11
2	Ramipril	3.953	6800.982	19.77	6078	1.08
Total:			34402.026			

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Injection Details		
Injection Name:	Sample Solution 5	Run Time (min): 10.00
Vial Number:	Vial:7	Injection Volume: 10.00
Injection Type:	Unknown	Channel: DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength: 210
Processing Method:	PR Method_ 2	Instrument Name: Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 18:27	Sequence Name: 17-Jun-17
User Name:	Pankaj Gurav	



Integration Results						
No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.119	28146.591	80.09	5501	1.12
2	Ramipril	3.953	6994.947	19.91	6086	1.08
Total:			35141.538			

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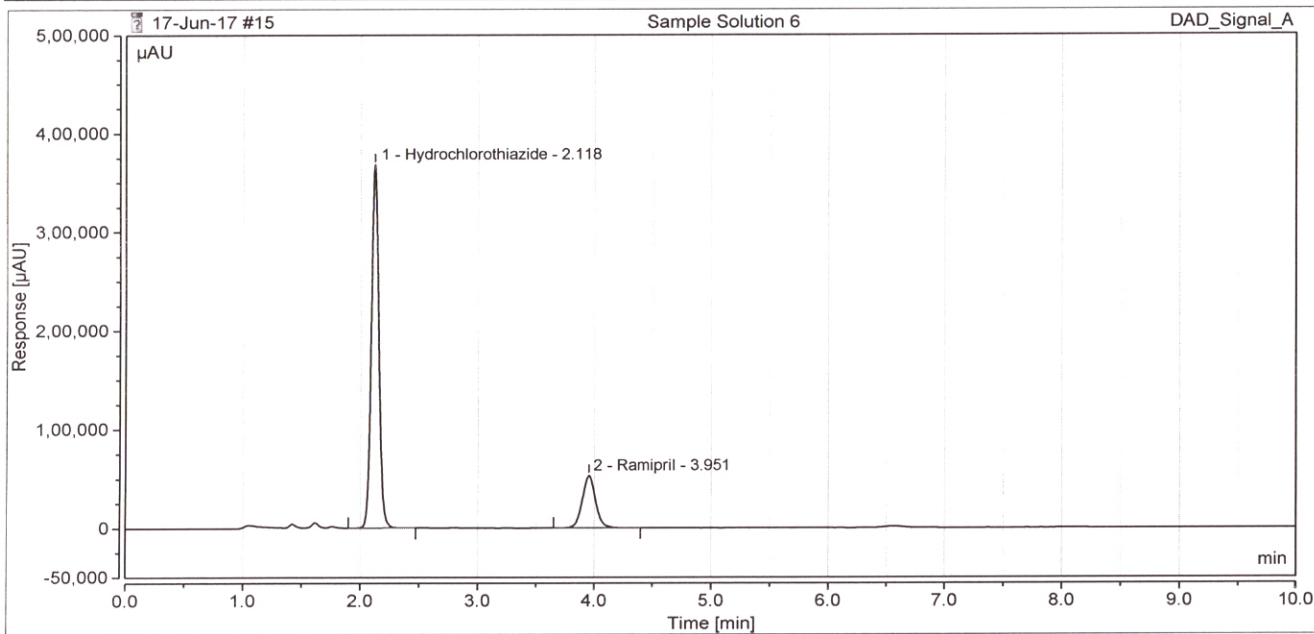
Qbd Research and Development Pvt. Ltd

Injection Details

Injection Name: Sample Solution 6
Vial Number: Vial:8
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_ 2
Injection Date/Time: 17-Jun-2017 18:39
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	27098.209	79.39	5451	1.13
2	Ramipril	3.951	7032.852	20.61	6042	1.07
Total:			34131.061			

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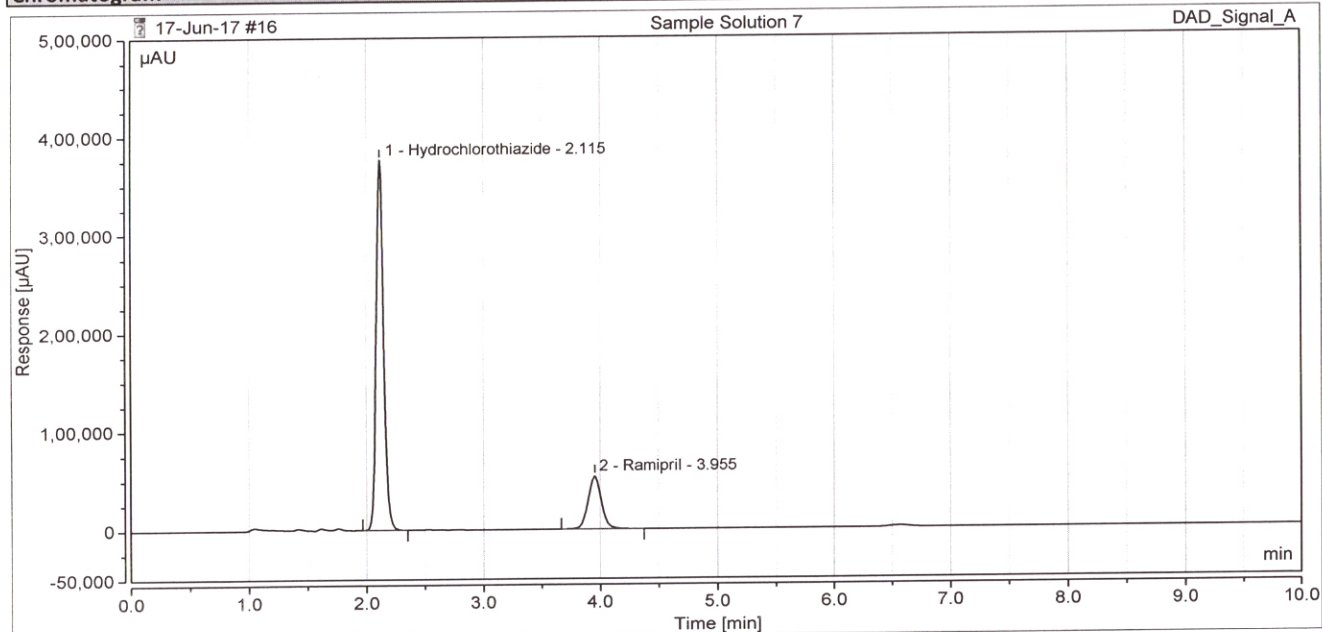
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Injection Details

Injection Name: Sample Solution 7
Vial Number: Vial:9
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 17-Jun-2017 18:51
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



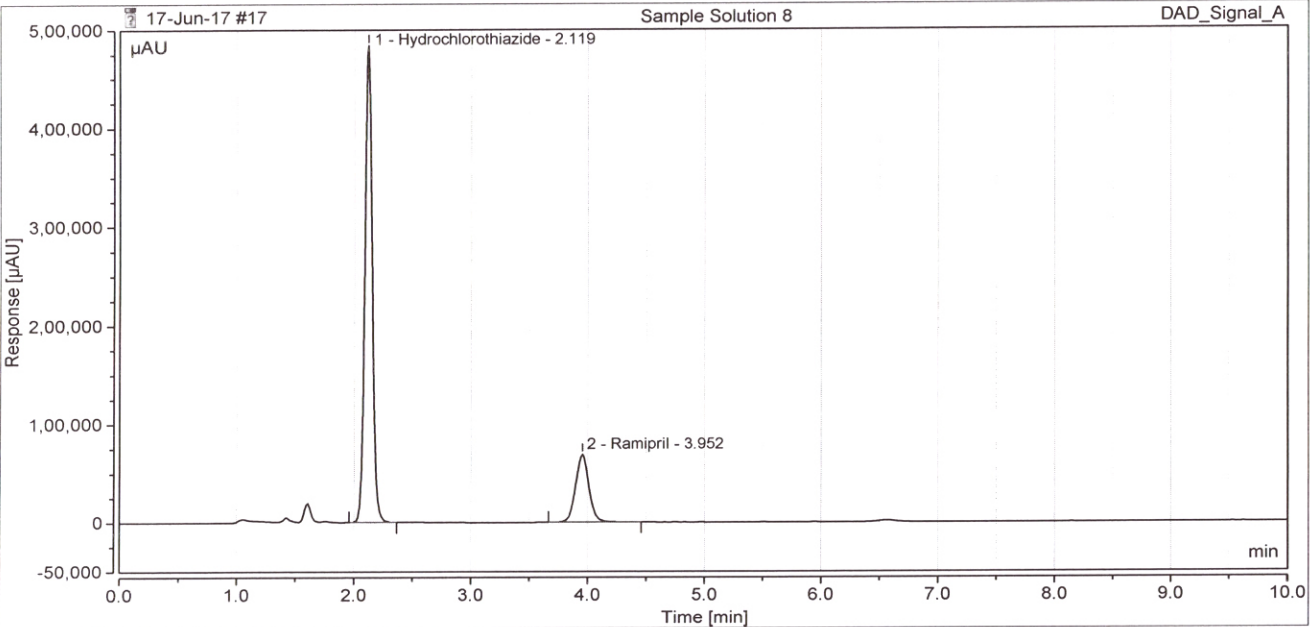
Integration Results

No.	Peak Name	Retention (DETECTED) min	Area µAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.115	27678.291	79.67	5520	1.18
2	Ramipril	3.955	7061.898	20.33	6075	1.04
Total:			34740.189			

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Injection Details					
Injection Name:	Sample Solution 8	Run Time (min):	10.00		
Vial Number:	Vial:10	Injection Volume:	10.00		
Injection Type:	Unknown	Channel:	DAD_Signal_A		
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210		
Processing Method:	PR Method_ 2	Instrument Name:	Qbd-INST-HPLC-51		
Injection Date/Time:	17-Jun-2017 19:03	Sequence Name:	17-Jun-17		
User Name:	Pankaj Gurav				
Chromatogram					



Integration Results						
No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.119	35511.201	79.63	5475	1.12
2	Ramipril	3.952	9082.483	20.37	6092	1.06
Total:			44593.684			

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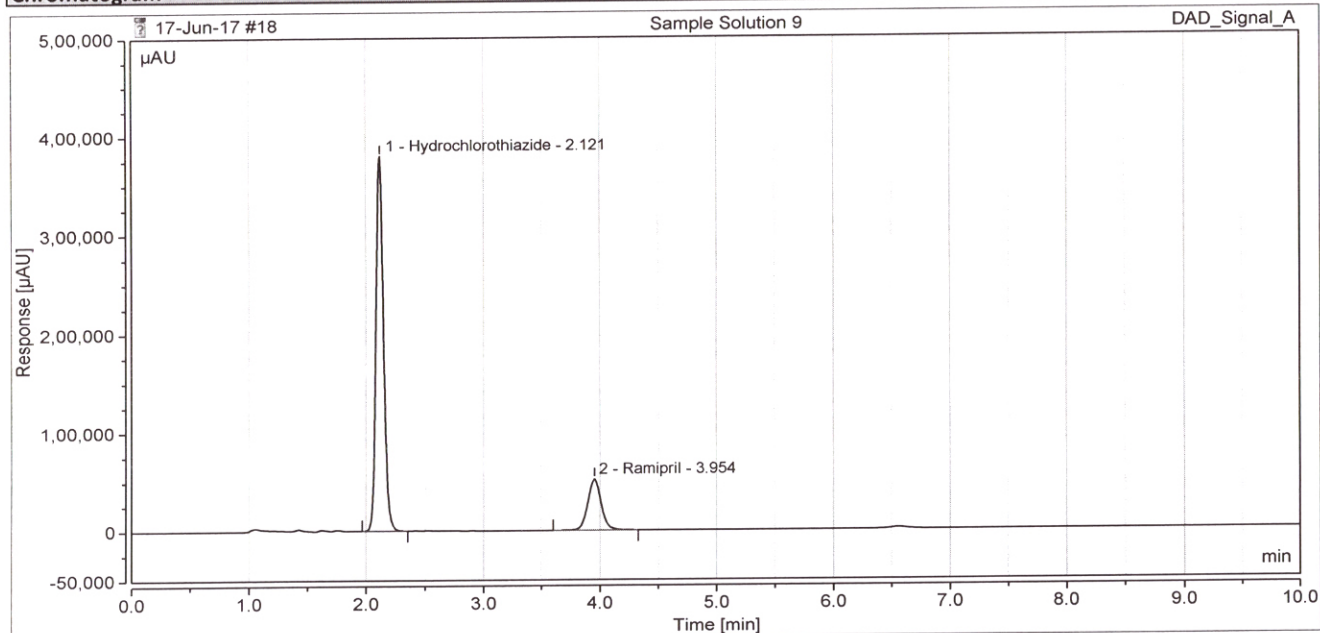
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Injection Details

Injection Name: Sample Solution 9
Vial Number: Vial:11
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 17-Jun-2017 19:14
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.121	27945.388	80.30	5543	1.09
2	Ramipril	3.954	6857.576	19.70	6069	1.05
Total:			34802.965			

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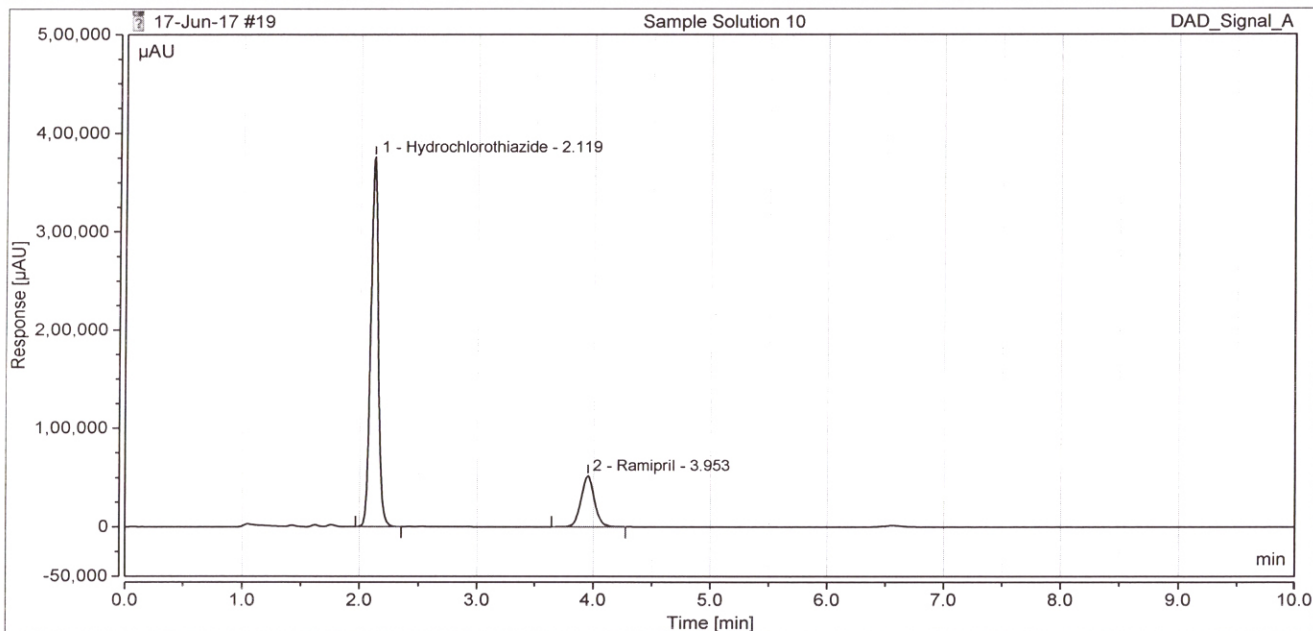
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Injection Details

Injection Name:	Sample Solution 10	Run Time (min):	10.00
Vial Number:	Vial:12	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 19:26	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram

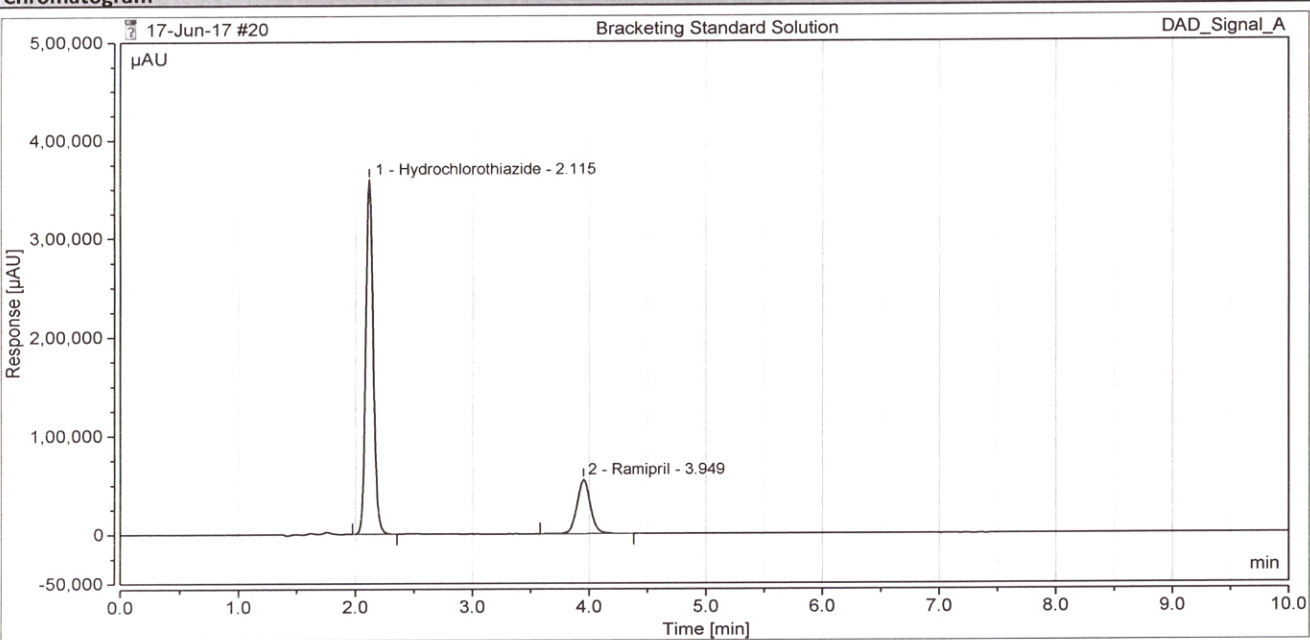


Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.119	27613.433	80.23	5534	1.09
2	Ramipril	3.953	6806.313	19.77	6070	1.05
Total:			34419.746			

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Injection Details		
Injection Name:	Bracketing Standard Solution	Run Time (min): 10.00
Vial Number:	Vial:2	Injection Volume: 10.00
Injection Type:	Unknown	Channel: DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength: 210
Processing Method:	PR Method_2	Instrument Name: Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 19:38	Sequence Name: 17-Jun-17
User Name:	Pankaj Gurav	



Integration Results						
No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.115	26354.348	78.41	5492	1.16
2	Ramipril	3.949	7255.996	21.59	6050	1.08
Total:			33610.344			

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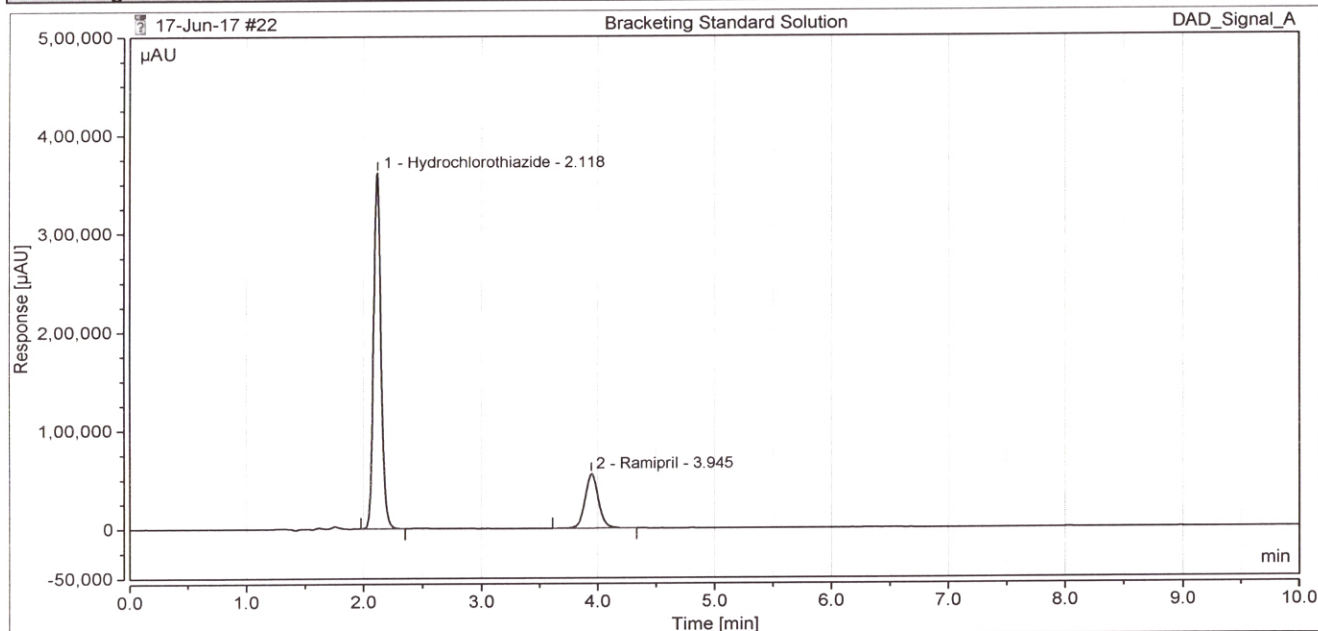
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Injection Details

Injection Name:	Bracketing Standard Solution	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 21:25	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	26528.678	78.42	5545	1.09
2	Ramipril	3.945	7302.413	21.58	6047	1.08
Total:			33831.091			

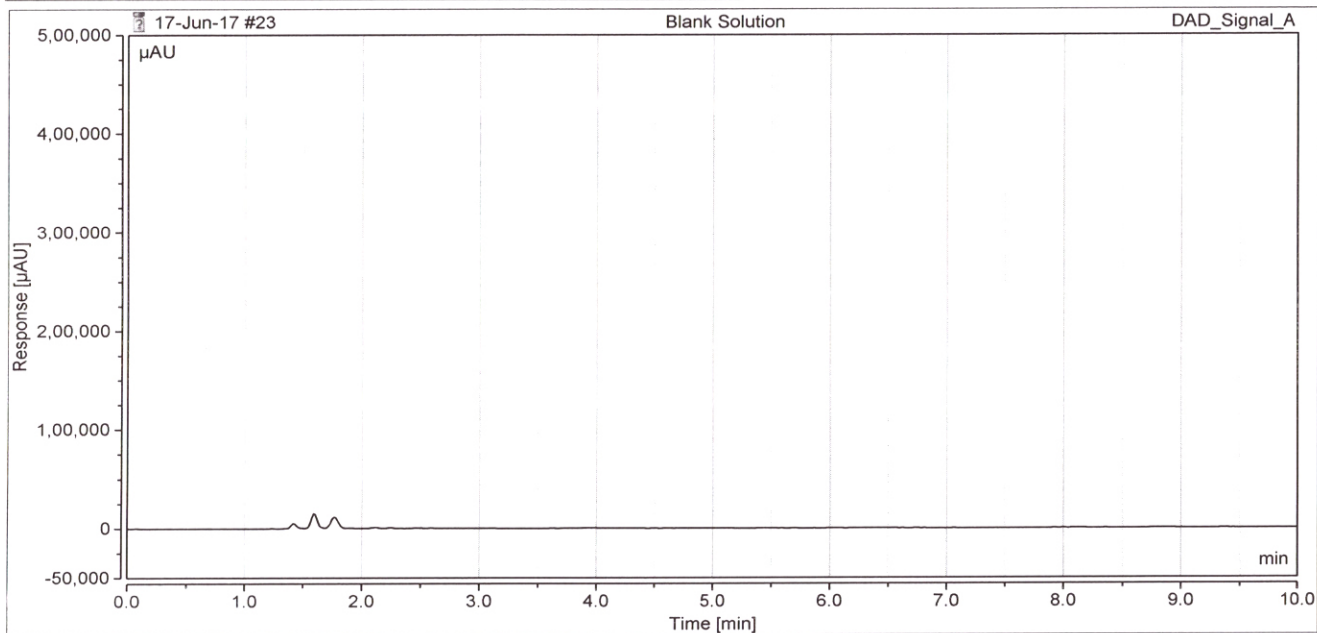
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29-Jun-17Pankaj Gurav
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Injection Details

Injection Name:	Blank Solution	Run Time (min):	10.00
Vial Number:	Vial: 1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_ 2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 21:37	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

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

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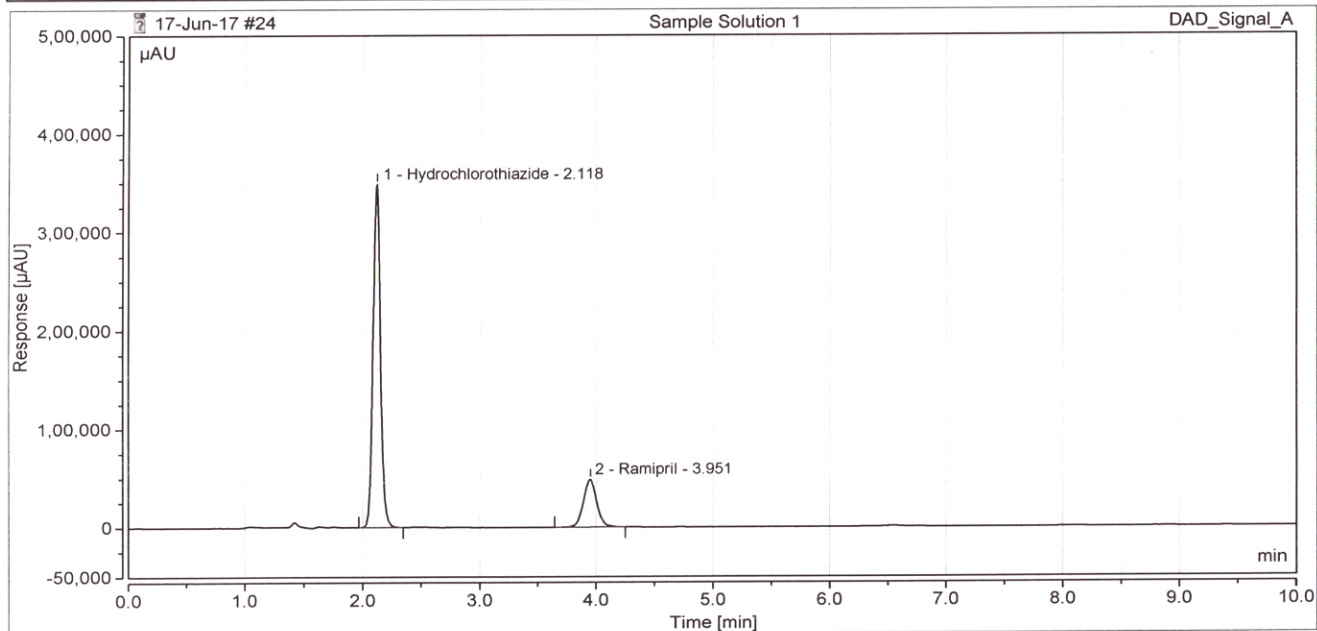
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Injection Details

Injection Name:	Sample Solution 1	Run Time (min):	10.00
Vial Number:	Vial:13	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 21:48	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	25578.397	80.04	5549	1.09
2	Ramipril	3.951	6379.967	19.96	6060	1.03
Total:			31958.364			

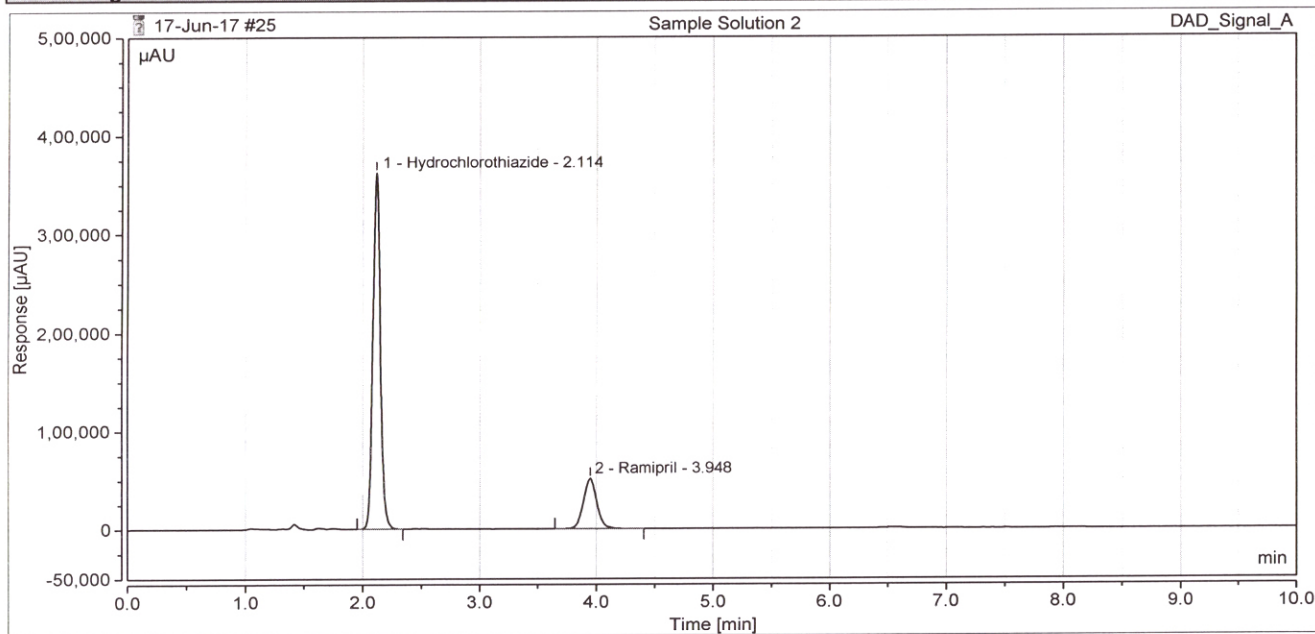
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Injection Details

Injection Name:	Sample Solution 2	Run Time (min):	10.00
Vial Number:	Vial:14	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 22:00	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.114	26562.750	79.67	5474	1.16
2	Ramipril	3.948	6778.099	20.33	6066	1.05
Total:			33340.848			

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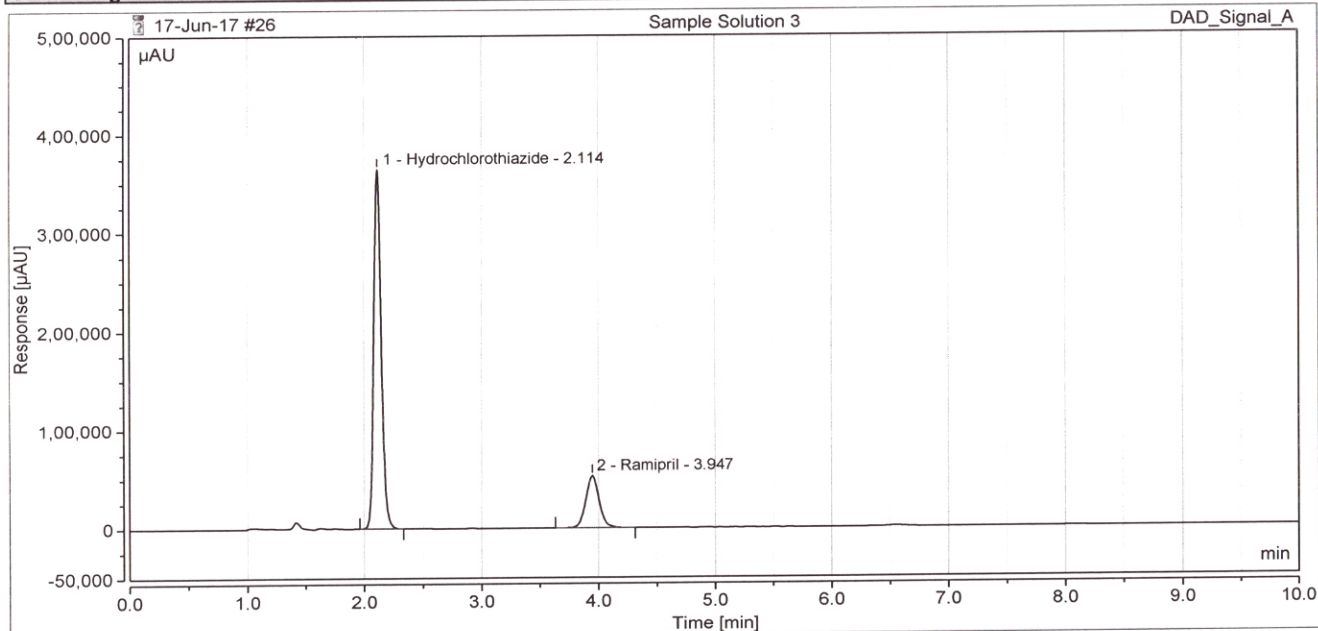
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Injection Details

Injection Name: Sample Solution 3
Vial Number: Vial:15
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 17-Jun-2017 22:12
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.114	26813.157	79.38	5485	1.17
2	Ramipril	3.947	6965.384	20.62	6068	1.07
Total:			33778.542			

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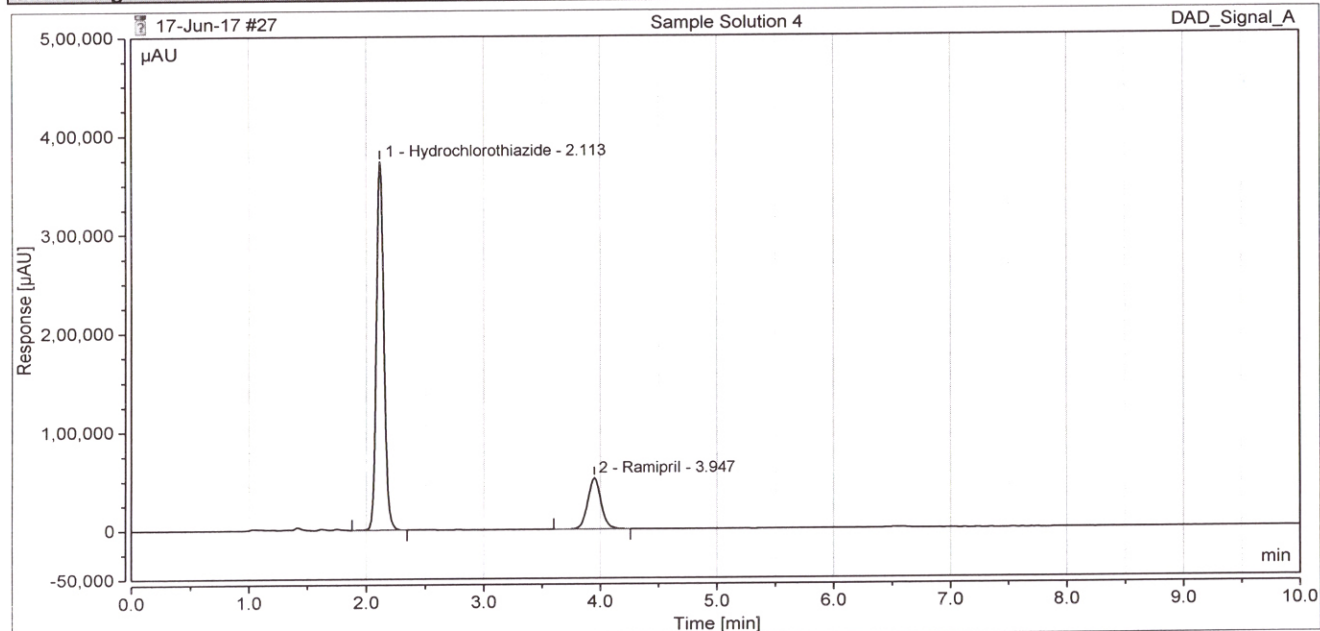
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Injection Details

Injection Name: Sample Solution 4
Vial Number: Vial: 16
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 17-Jun-2017 22:24
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.113	27476.889	80.05	5510	1.17
2	Ramipril	3.947	6849.165	19.95	6053	1.07
Total:			34326.054			

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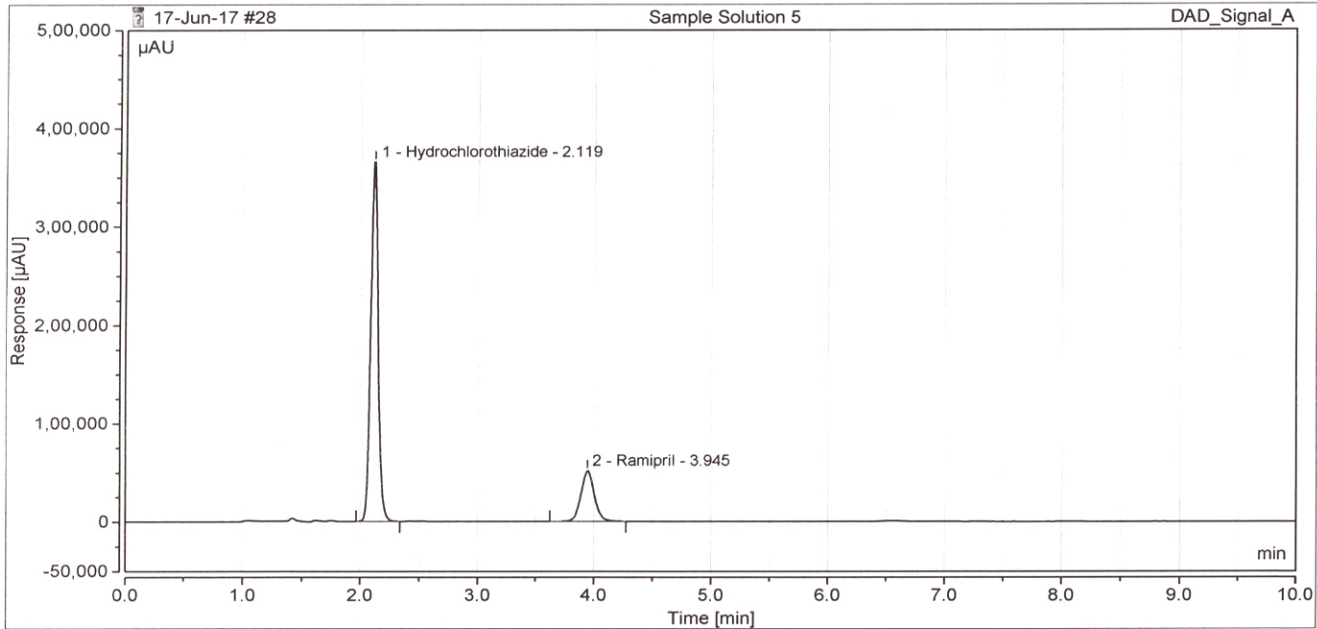
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Injection Details

Injection Name:	Sample Solution 5	Run Time (min):	10.00
Vial Number:	Vial:17	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 22:36	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.119	26955.541	79.90	5543	1.08
2	Ramipril	3.945	6779.973	20.10	6057	1.07
Total:			33735.514			

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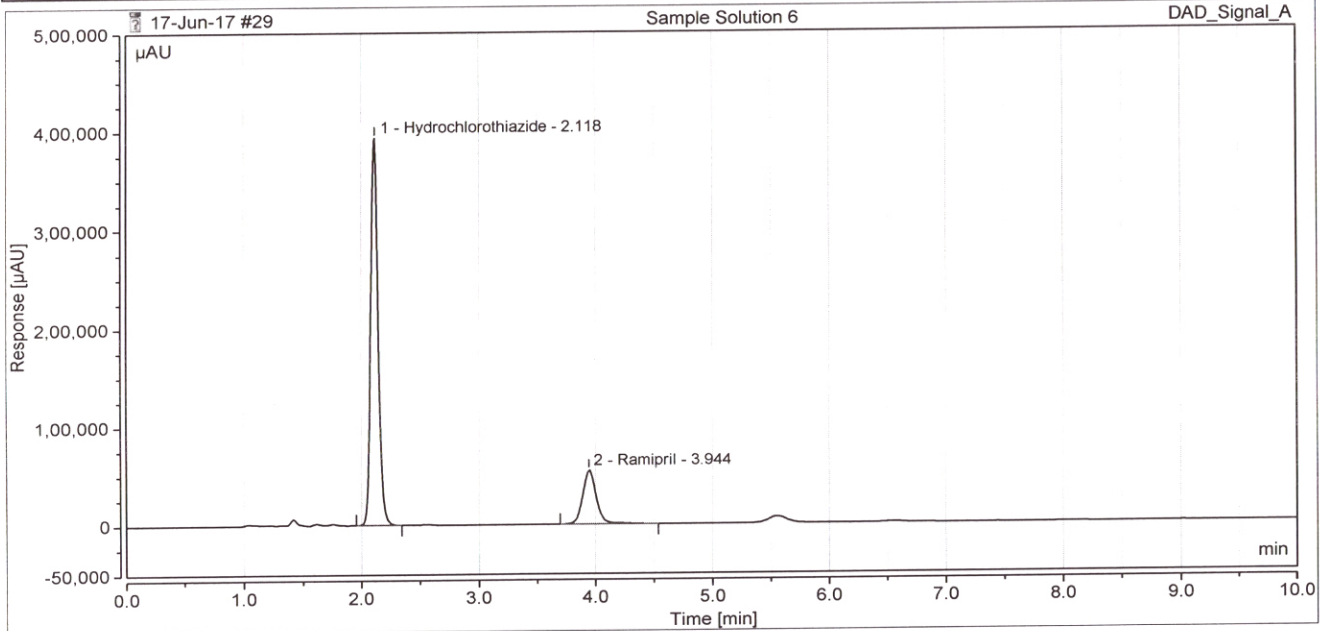
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Injection Details

Injection Name:	Sample Solution 6	Run Time (min):	10.00
Vial Number:	Vial:18	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_ 2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 22:47	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area µAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	28934.875	79.84	5531	1.09
2	Ramipril	3.944	7308.197	20.16	6050	1.09
Total:			36243.072			

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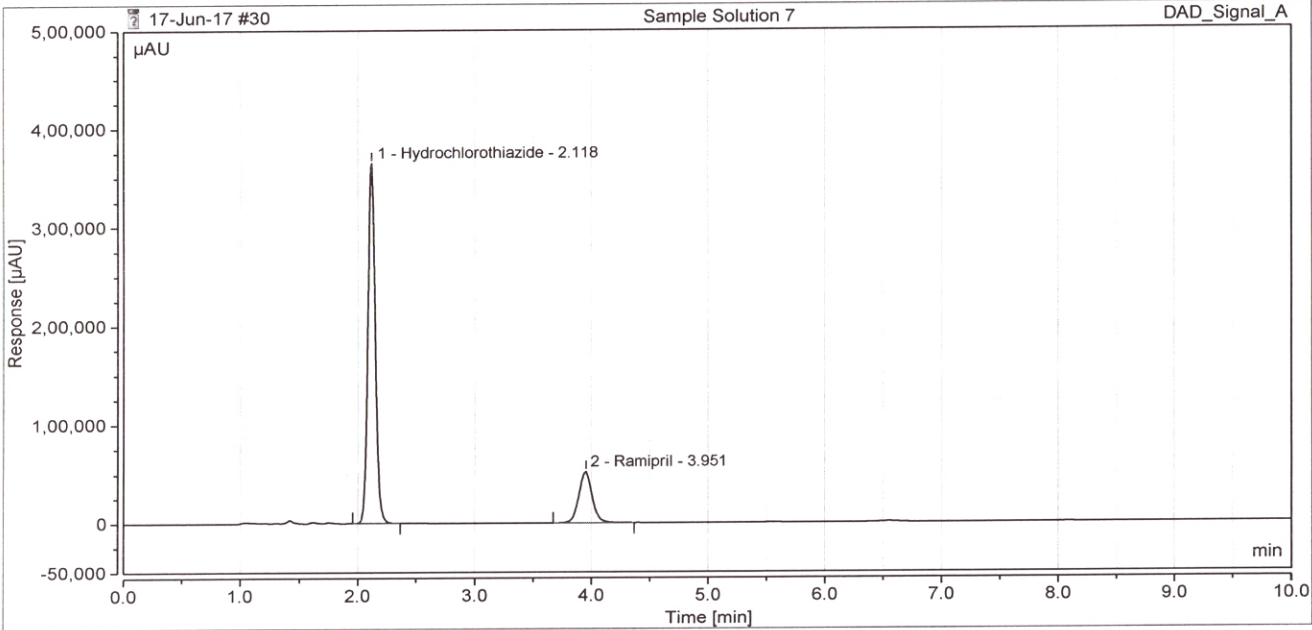
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Injection Details

Injection Name: Sample Solution 7
Vial Number: Vial:19
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_ 2
Injection Date/Time: 17-Jun-2017 22:59
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	26756.172	79.64	5546	1.10
2	Ramipril	3.951	6841.221	20.36	6069	1.03
Total:			33597.393			

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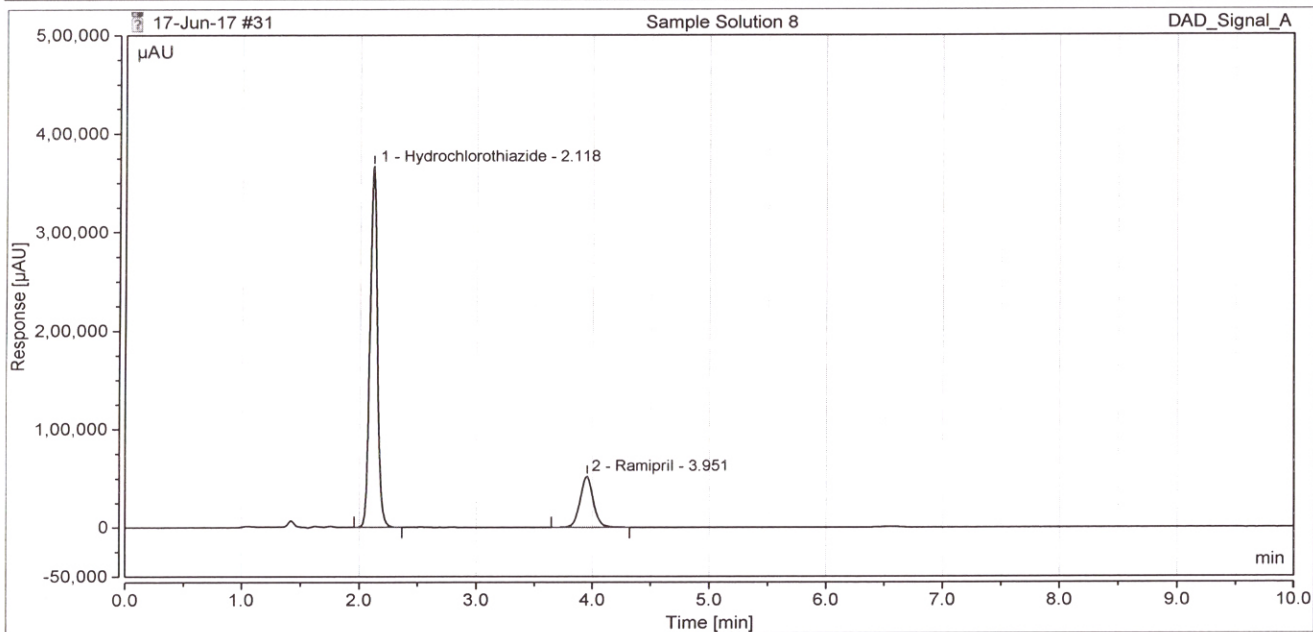
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Injection Details

Injection Name: Sample Solution 8
Vial Number: Vial:20
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 17-Jun-2017 23:11
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	26881.100	79.68	5554	1.09
2	Ramipril	3.951	6855.122	20.32	6075	1.03
Total:			33736.223			

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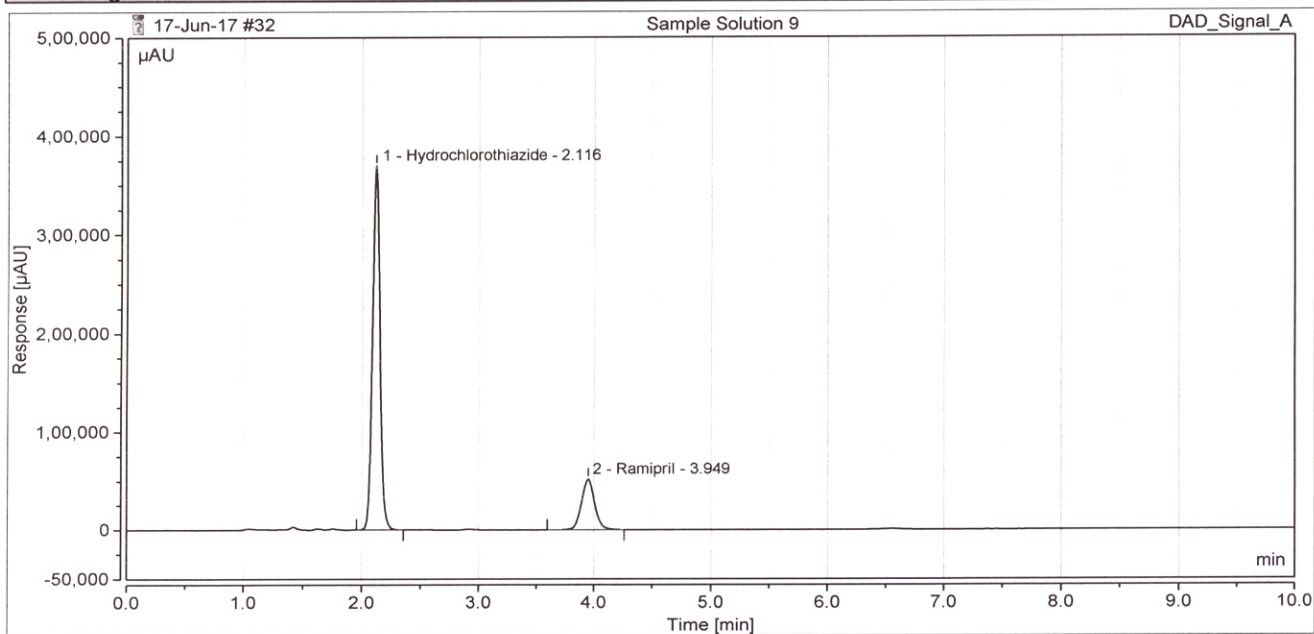
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Injection Details

Injection Name:	Sample Solution 9	Run Time (min):	10.00
Vial Number:	Vial:21	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 23:23	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.116	27172.322	79.89	5448	1.14
2	Ramipril	3.949	6839.633	20.11	6042	1.05
Total:			34011.955			

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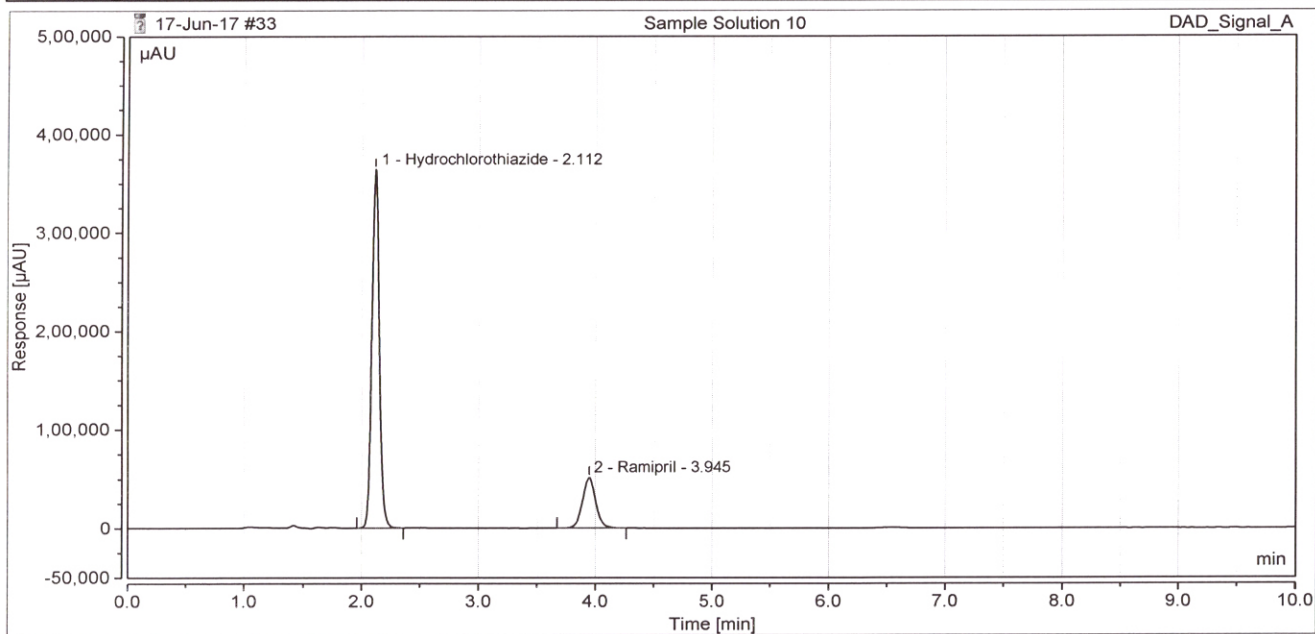
Pankaj Gurav
 28-Jun-17

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Injection Details

Injection Name:	Sample Solution 10	Run Time (min):	10.00
Vial Number:	Vial:22	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 23:35	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.112	26817.056	79.87	5503	1.18
2	Ramipril	3.945	6756.875	20.13	6054	1.06
Total:			33573.931			

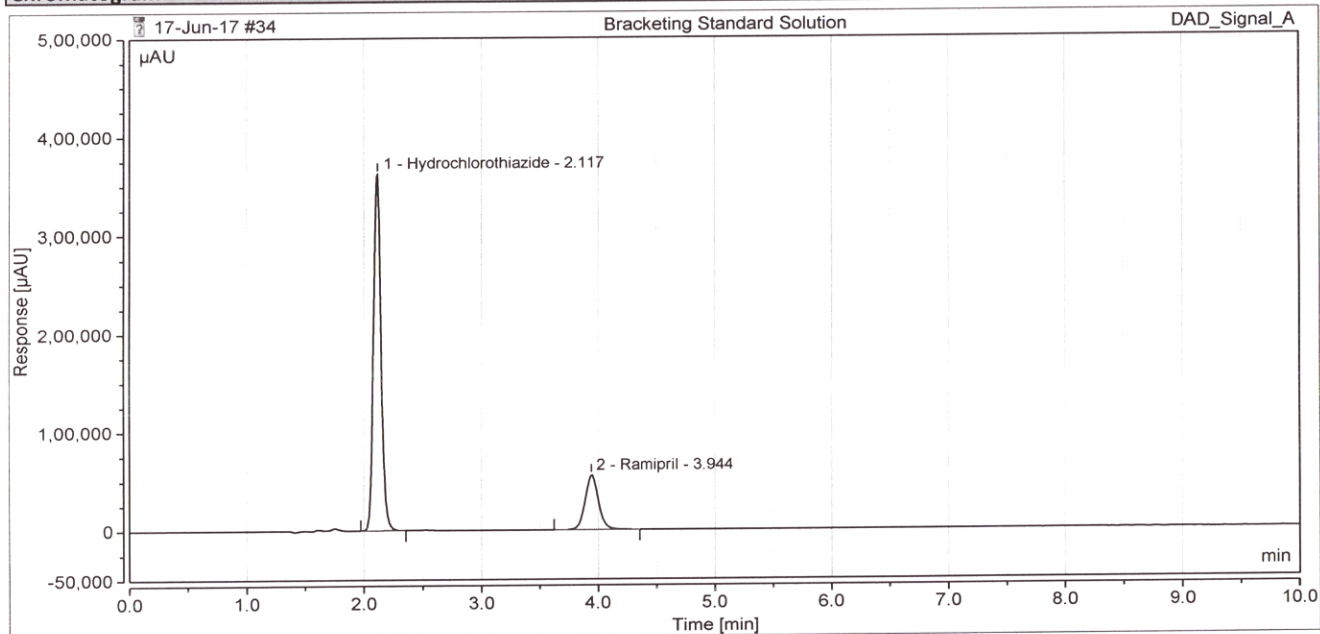
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29-Jun-17Pankaj Gurav
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Injection Details

Injection Name:	Bracketing Standard Solution	Run Time (min):	10.00
Vial Number:	Vial:2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 23:46	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.117	26642.660	78.40	5528	1.09
2	Ramipril	3.944	7342.315	21.60	6041	1.07
Total:			33984.974			

Pankaj Gurav
29-Jun-17

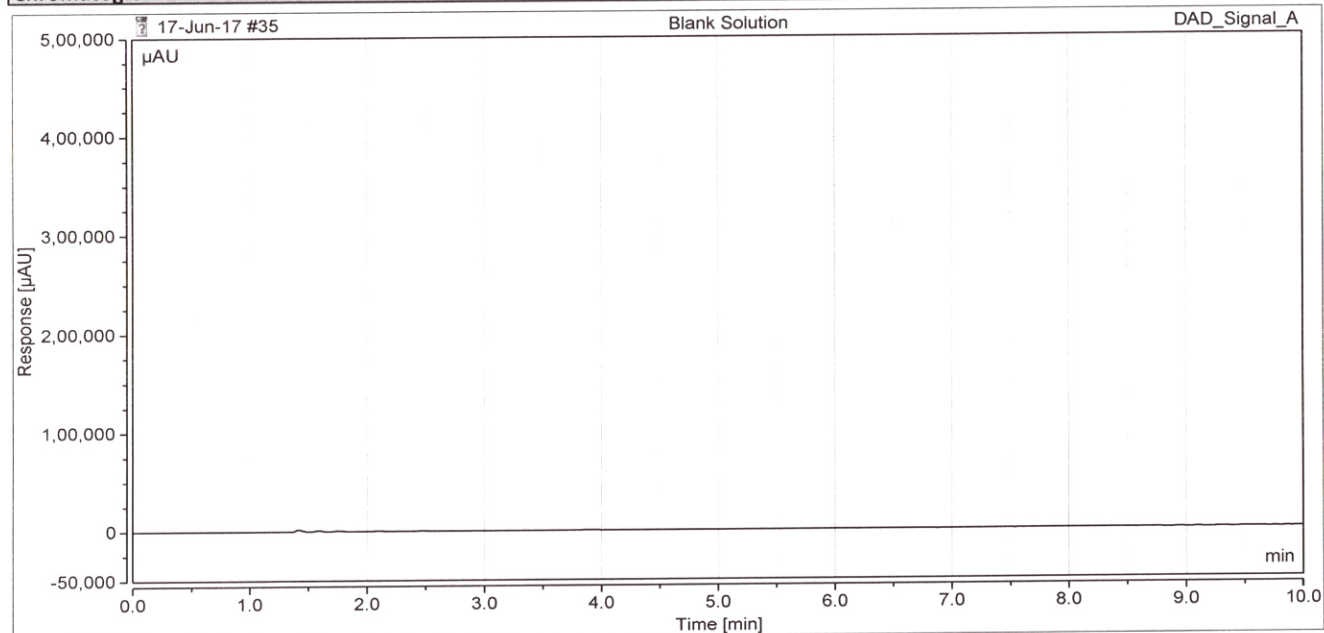
Pankaj Gurav
29-Jun-17

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Injection Details

Injection Name:	Blank Solution	Run Time (min):	10.00
Vial Number:	Vial:1	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	17-Jun-2017 23:58	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

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

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29-Jun-17

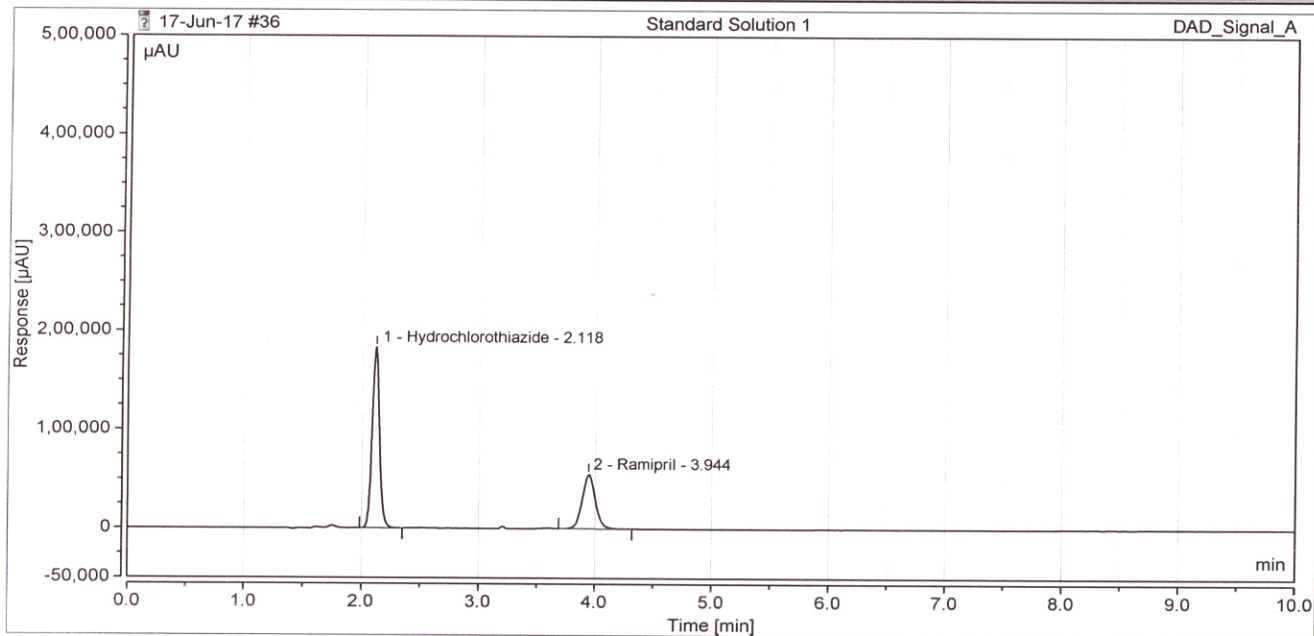
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Standard Solution 1
Vial Number: Vial:23
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 18-Jun-2017 00:10
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	13481.003	64.98	5535	1.09
2	Ramipril	3.944	7266.084	35.02	6017	1.08
Total:			20747.088			

23-Jun-17

23-Jun-17

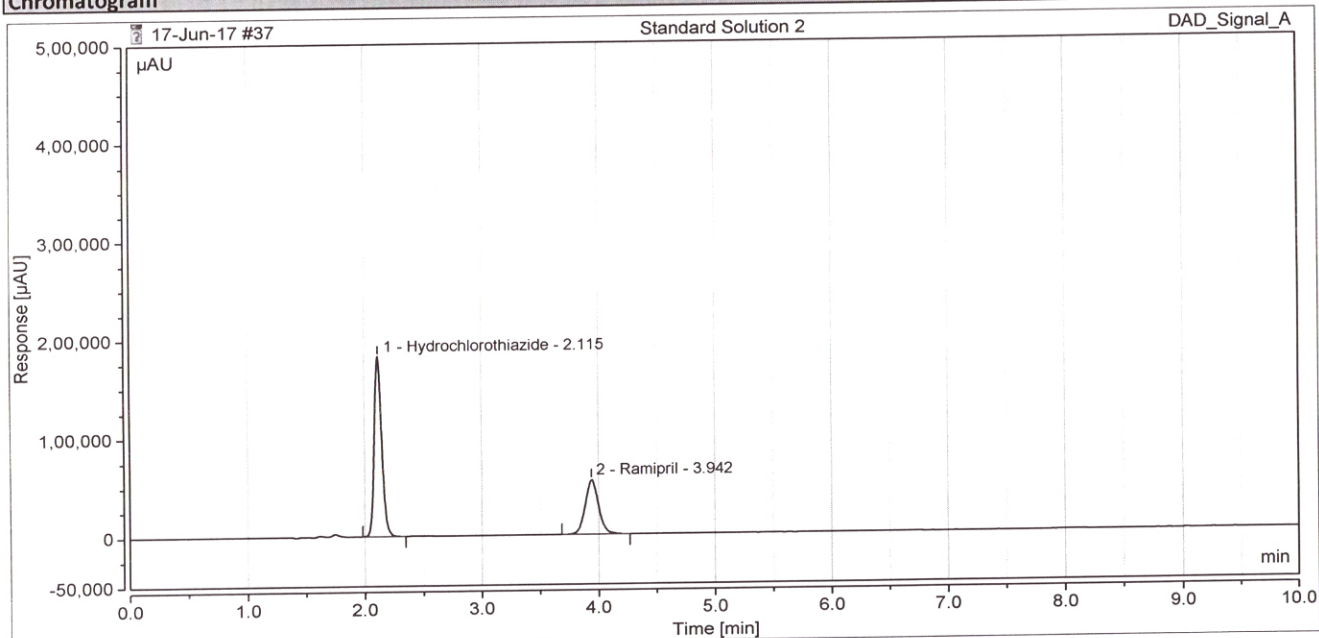
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Standard Solution 2
Vial Number: Vial:23
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 18-Jun-2017 00:22
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.115	13300.734	64.96	5500	1.13
2	Ramipril	3.942	7175.544	35.04	6065	1.08
Total:			20476.278			

Pankaj Gurav
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29-Jun-17

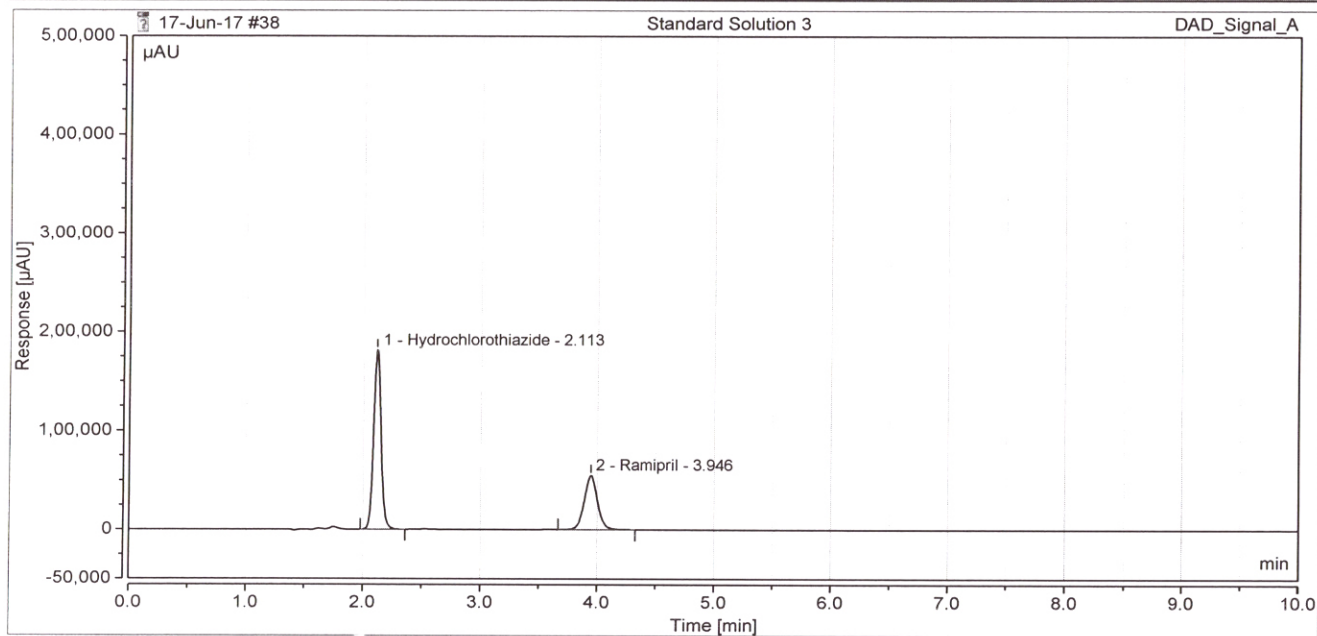
Qbd Research and Development Pvt. Ltd

Injection Details

Injection Name: Standard Solution 3
Vial Number: Vial:23
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 18-Jun-2017 00:34
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.113	13314.339	64.89	5534	1.18
2	Ramipril	3.946	7203.315	35.11	6065	1.06
Total:			20517.654			

Pankaj
24-Jun-17

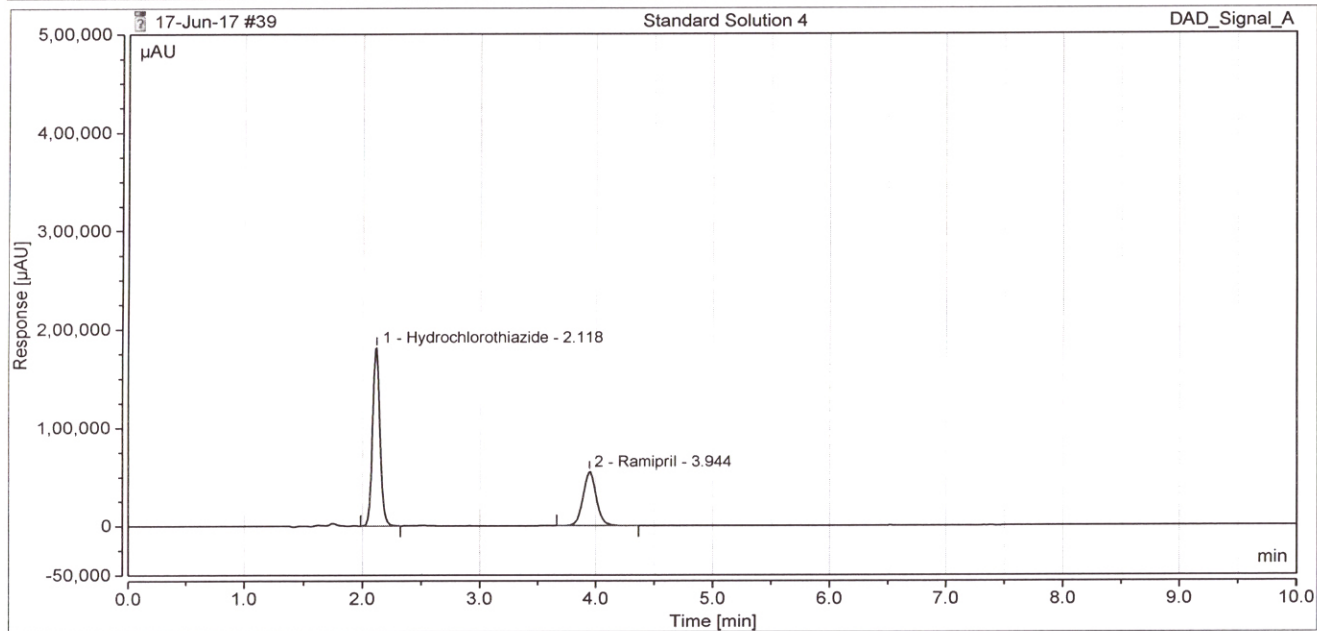
Pankaj
24-Jun-17

Qbd Research and Development Pvt. Ltd

Injection Details

Injection Name:	Standard Solution 4	Run Time (min):	10.00
Vial Number:	Vial:23	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	18-Jun-2017 00:46	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	13327.831	64.77	5555	1.09
2	Ramipril	3.944	7248.287	35.23	6049	1.07
Total:			20576.118			

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29-Jun-17

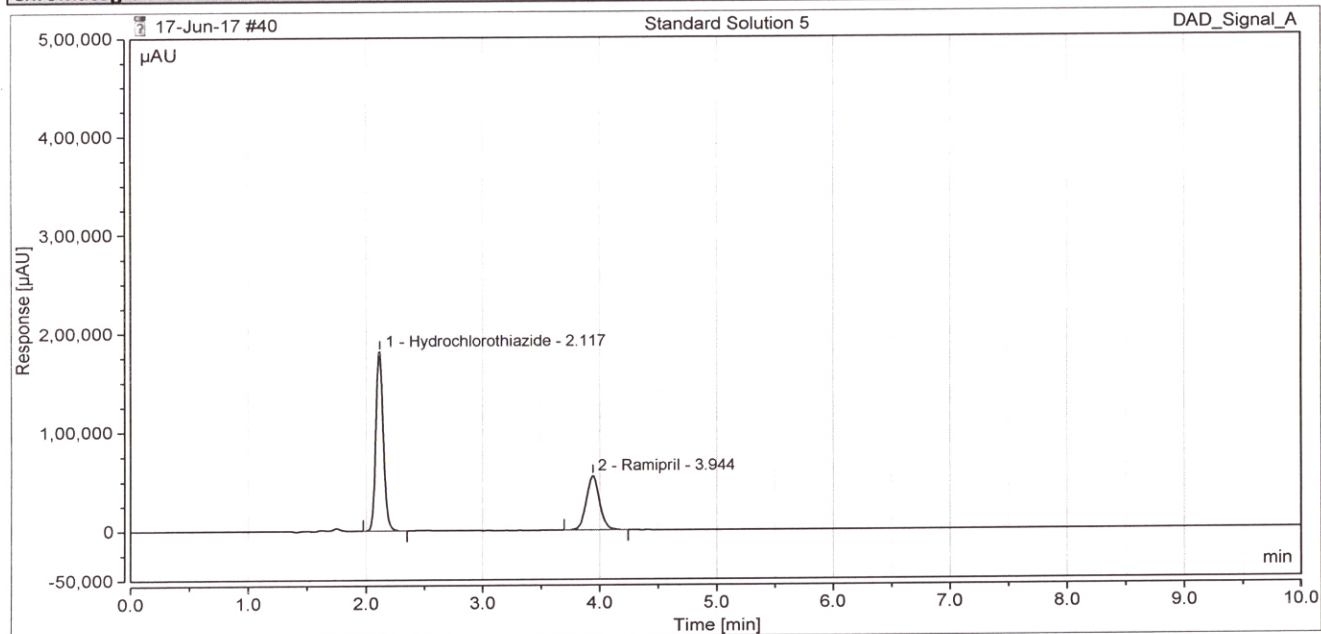
Pankaj Gurav
29-Jun-17

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Injection Details

Injection Name:	Standard Solution 5	Run Time (min):	10.00
Vial Number:	Vial:23	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	18-Jun-2017 00:57	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.117	13325.621	65.02	5547	1.09
2	Ramipril	3.944	7168.018	34.98	6079	1.05
Total:			20493.639			

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25-Jun-17

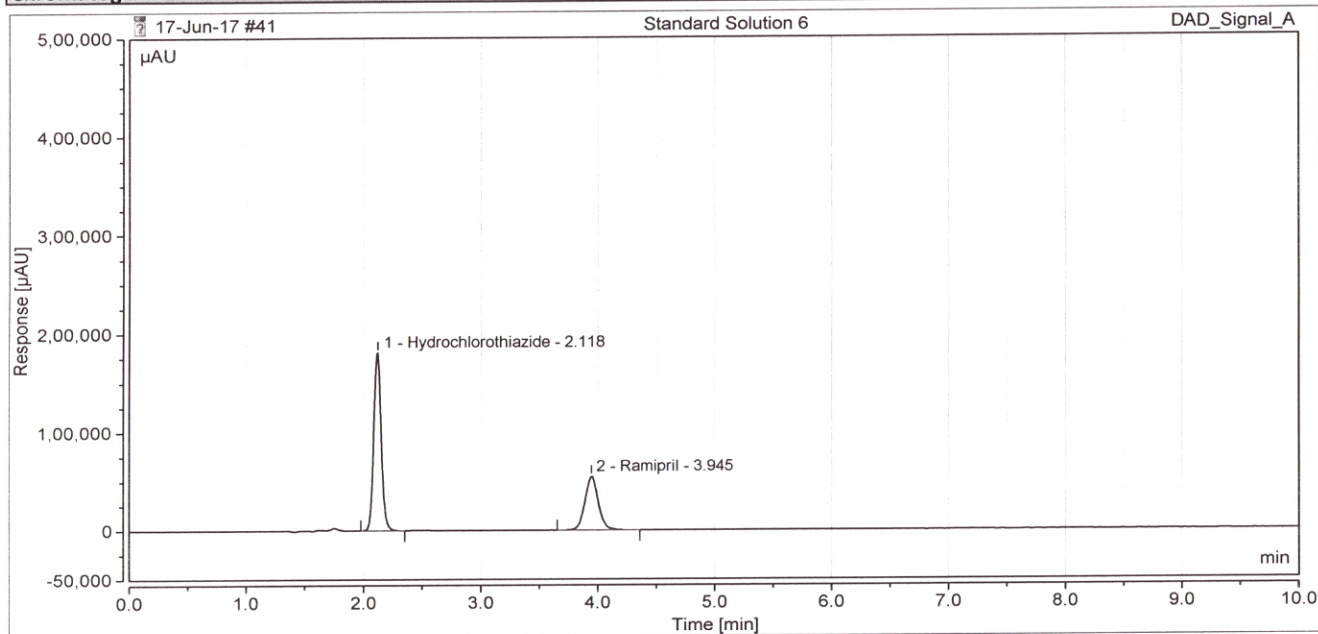
Pankaj Gurav
25-Jun-17

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Injection Details

Injection Name:	Standard Solution 6	Run Time (min):	10.00
Vial Number:	Vial:23	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	18-Jun-2017 01:09	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	13327.657	64.87	5539	1.09
2	Ramipril	3.945	7219.028	35.13	6060	1.07
Total:			20546.686			

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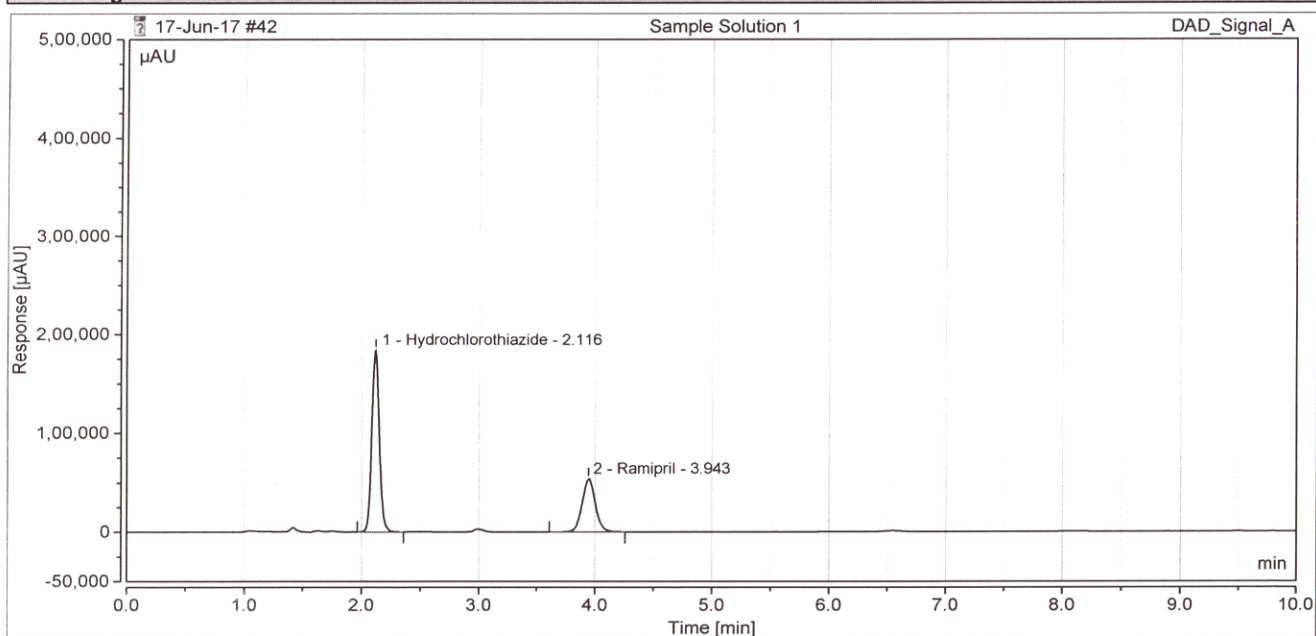
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Injection Details

Injection Name:	Sample Solution 1	Run Time (min):	10.00
Vial Number:	Vial:24	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	18-Jun-2017 01:21	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.116	13502.588	65.55	5516	1.11
2	Ramipril	3.943	7096.170	34.45	6036	1.08
Total:			20598.758			

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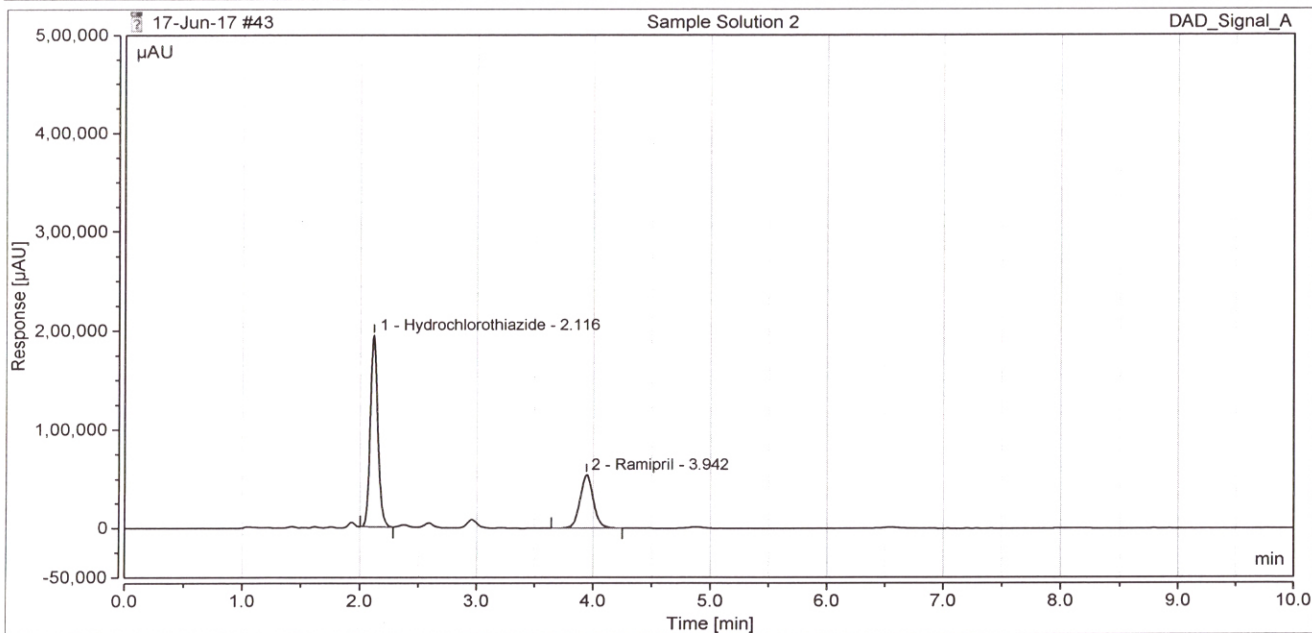
QbD Research and Development Pvt. Ltd

Injection Details

Injection Name: Sample Solution 2
Vial Number: Vial:25
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 18-Jun-2017 01:33
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.116	14463.008	66.99	5335	1.17
2	Ramipril	3.942	7127.199	33.01	6032	1.07
Total:			21590.207			

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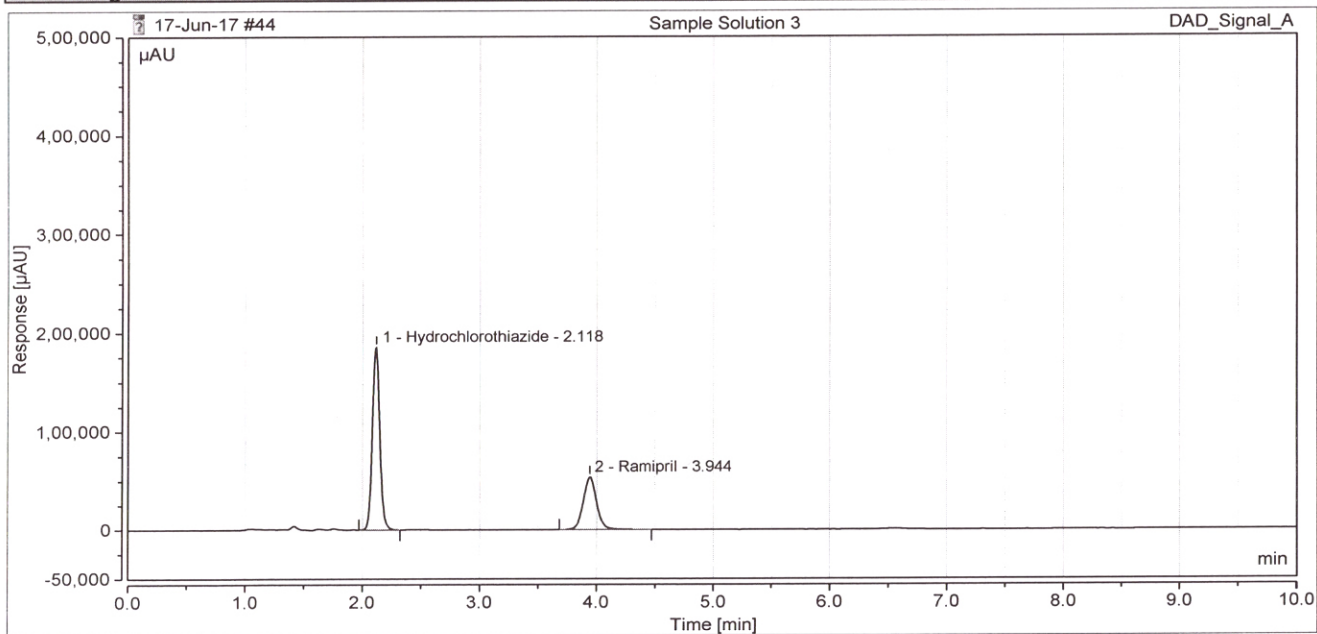
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Injection Details

Injection Name:	Sample Solution 3	Run Time (min):	10.00
Vial Number:	Vial:26	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	18-Jun-2017 01:44	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	13649.699	65.70	5552	1.09
2	Ramipril	3.944	7127.021	34.30	6068	1.07
Total:			20776.720			

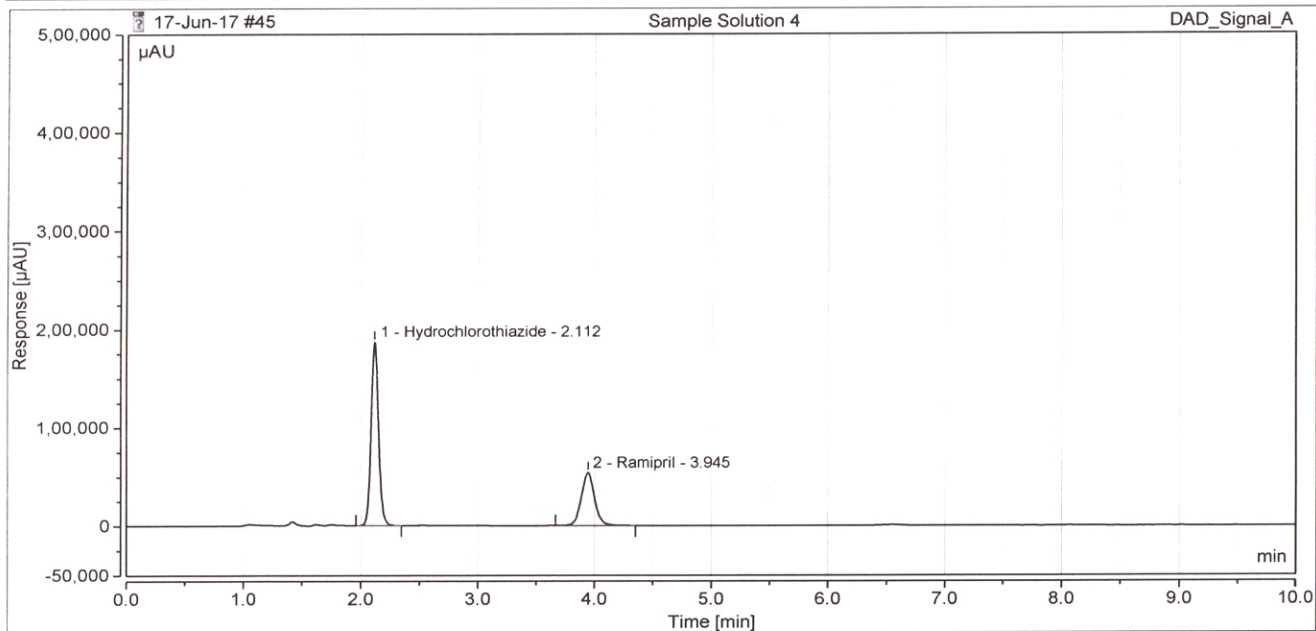
Pankaj Gurav
29-Jun-17Pankaj Gurav
29-Jun-17

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Injection Details

Injection Name:	Sample Solution 4	Run Time (min):	10.00
Vial Number:	Vial:27	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	18-Jun-2017 01:56	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		

Chromatogram



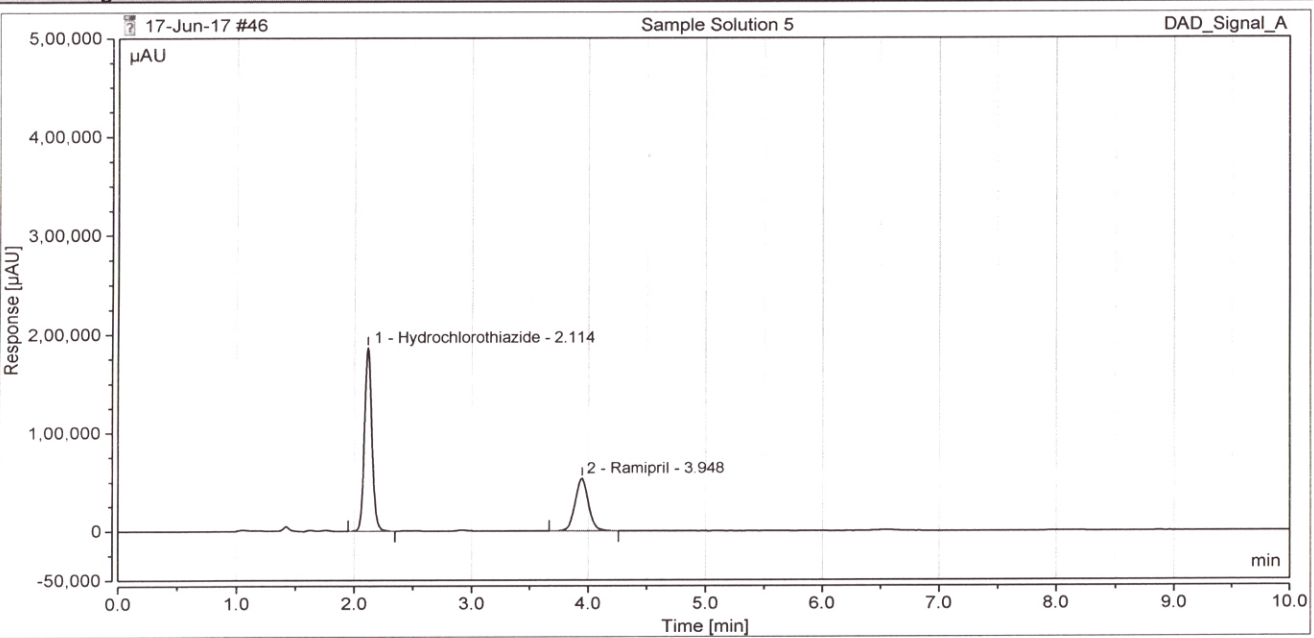
Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.112	13756.049	66.00	5512	1.18
2	Ramipril	3.945	7085.981	34.00	6069	1.04
Total:			20842.031			

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Injection Details		
Injection Name:	Sample Solution 5	Run Time (min): 10.00
Vial Number:	Vial:28	Injection Volume: 10.00
Injection Type:	Unknown	Channel: DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength: 210
Processing Method:	PR Method_2	Instrument Name: Qbd-INST-HPLC-51
Injection Date/Time:	18-Jun-2017 02:08	Sequence Name: 17-Jun-17
User Name:	Pankaj Gurav	

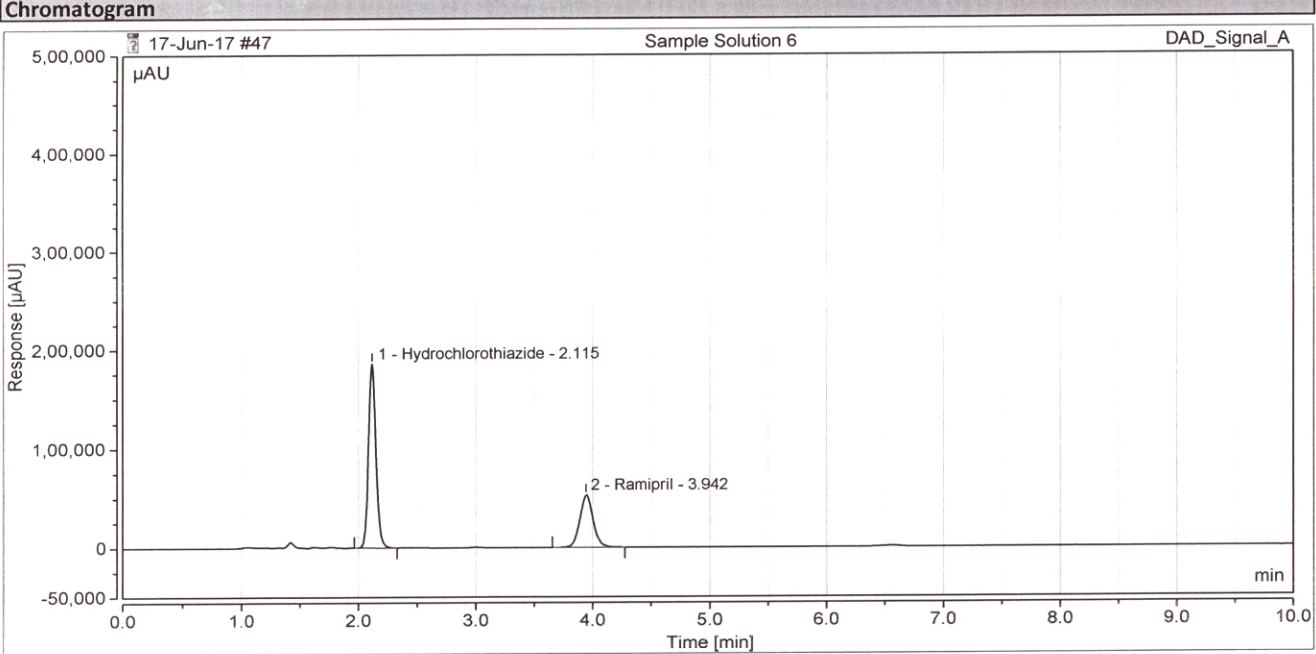


Integration Results						
No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.114	13677.799	66.09	5492	1.15
2	Ramipril	3.948	7018.480	33.91	6076	1.03
Total:			20696.279			

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Injection Details			
Injection Name:	Sample Solution 6	Run Time (min):	10.00
Vial Number:	Vial:29	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_ 2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	18-Jun-2017 02:20	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		
Chromatogram			



Integration Results						
No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.115	13619.010	66.11	5459	1.13
2	Ramipril	3.942	6980.559	33.89	6011	1.09
Total:			20599.569			

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29-Jun-17

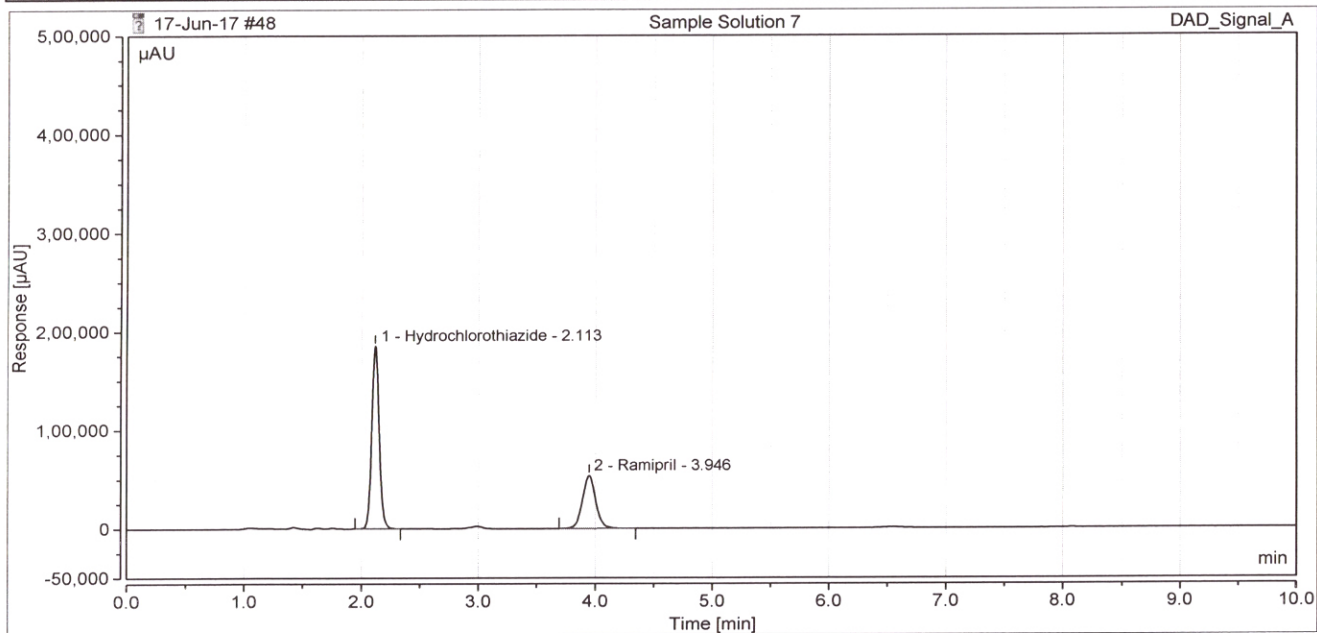
Qbd Research and Development Pvt. Ltd

Injection Details

Injection Name: Sample Solution 7
Vial Number: Vial:30
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 18-Jun-2017 02:32
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



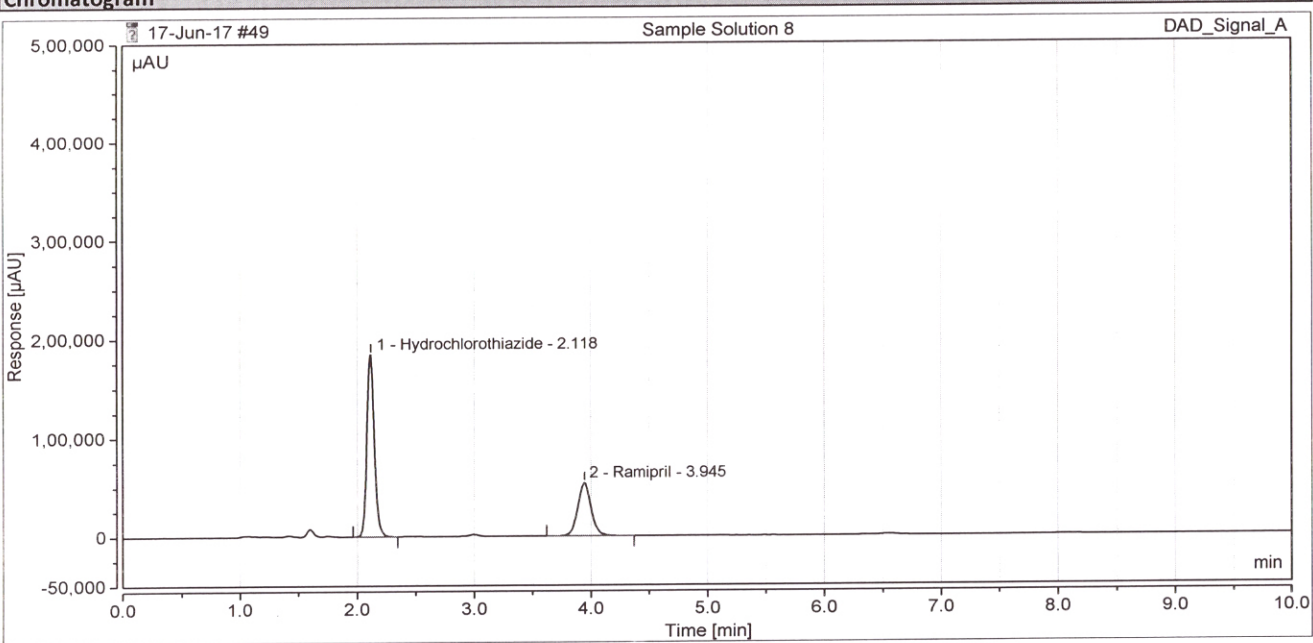
Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.113	13654.006	65.85	5503	1.17
2	Ramipril	3.946	7081.134	34.15	6053	1.06
Total:			20735.140			

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Injection Details		
Injection Name:	Sample Solution 8	Run Time (min): 10.00
Vial Number:	Vial:31	Injection Volume: 10.00
Injection Type:	Unknown	Channel: DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength: 210
Processing Method:	PR Method_2	Instrument Name: Qbd-INST-HPLC-51
Injection Date/Time:	18-Jun-2017 02:44	Sequence Name: 17-Jun-17
User Name:	Pankaj Gurav	



Integration Results						
No.	Peak Name	Retention (DETECTED) min	Area µAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	13587.821	65.68	5547	1.08
2	Ramipril	3.945	7101.660	34.32	6050	1.05
Total:			20689.481			

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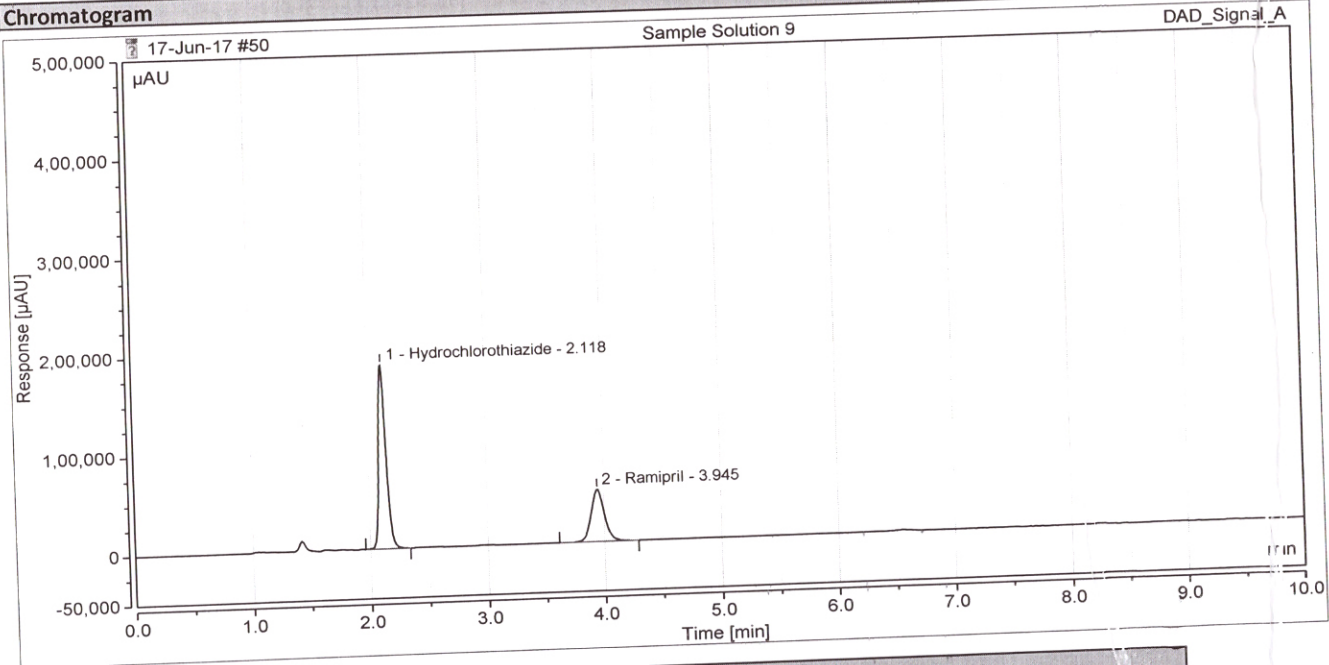
Qbd Research and Development Pvt. Ltd

Injection Details

Injection Name: Sample Solution 9
 Vial Number: Vial:32
 Injection Type: Unknown
 Instrument Method: Ramithiazide CU HPLC-51
 Processing Method: PR Method_2
 Injection Date/Time: 18-Jun-2017 02:55
 User Name: Pankaj Gurav

Run Time (min): 10.00
 Injection Volume: 10.00
 Channel: DAD_Signal_A
 Wavelength: 210
 Instrument Name: Qbd-INST-HPLC-51
 Sequence Name: 17-Jun-17

Chromatogram



Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.118	13745.397	66.30	5545	1.09
2	Ramipril	3.945	6986.968	33.70	6039	1.06
Total:			20732.365			

29-Jun-17

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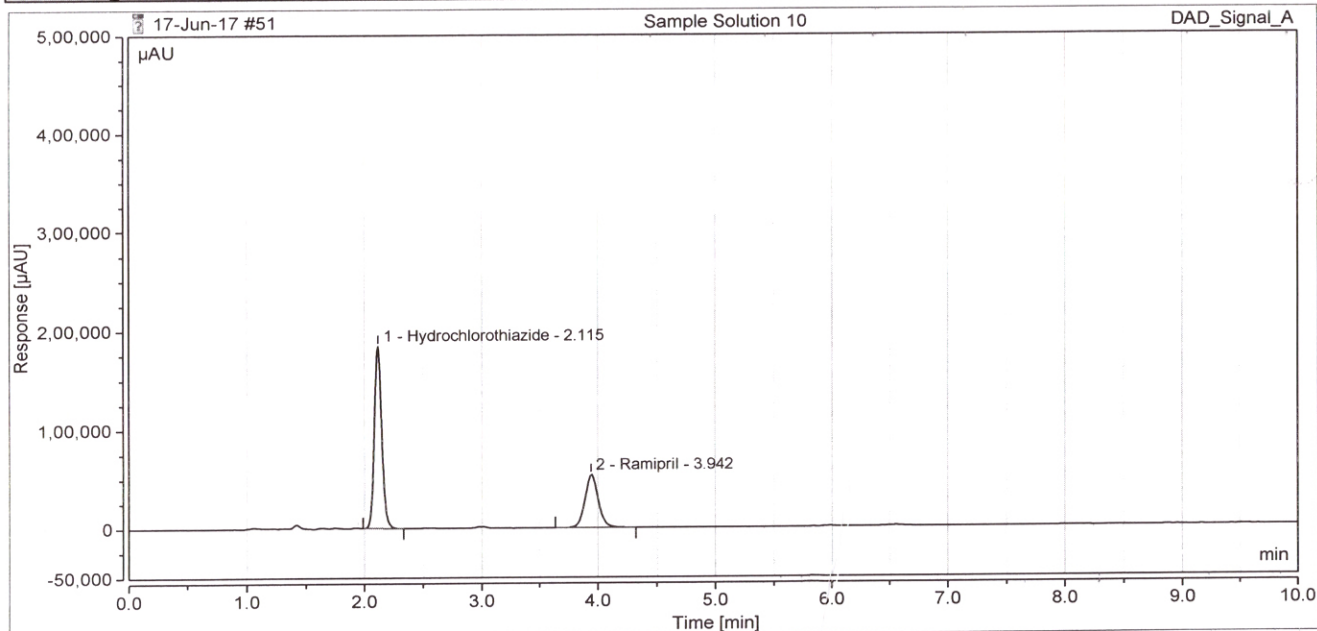
Qbd Research and Development Pvt. Ltd

Injection Details

Injection Name: Sample Solution 10
Vial Number: Vial:33
Injection Type: Unknown
Instrument Method: Ramithiazide CU HPLC-51
Processing Method: PR Method_2
Injection Date/Time: 18-Jun-2017 03:07
User Name: Pankaj Gurav

Run Time (min): 10.00
Injection Volume: 10.00
Channel: DAD_Signal_A
Wavelength: 210
Instrument Name: Qbd-INST-HPLC-51
Sequence Name: 17-Jun-17

Chromatogram



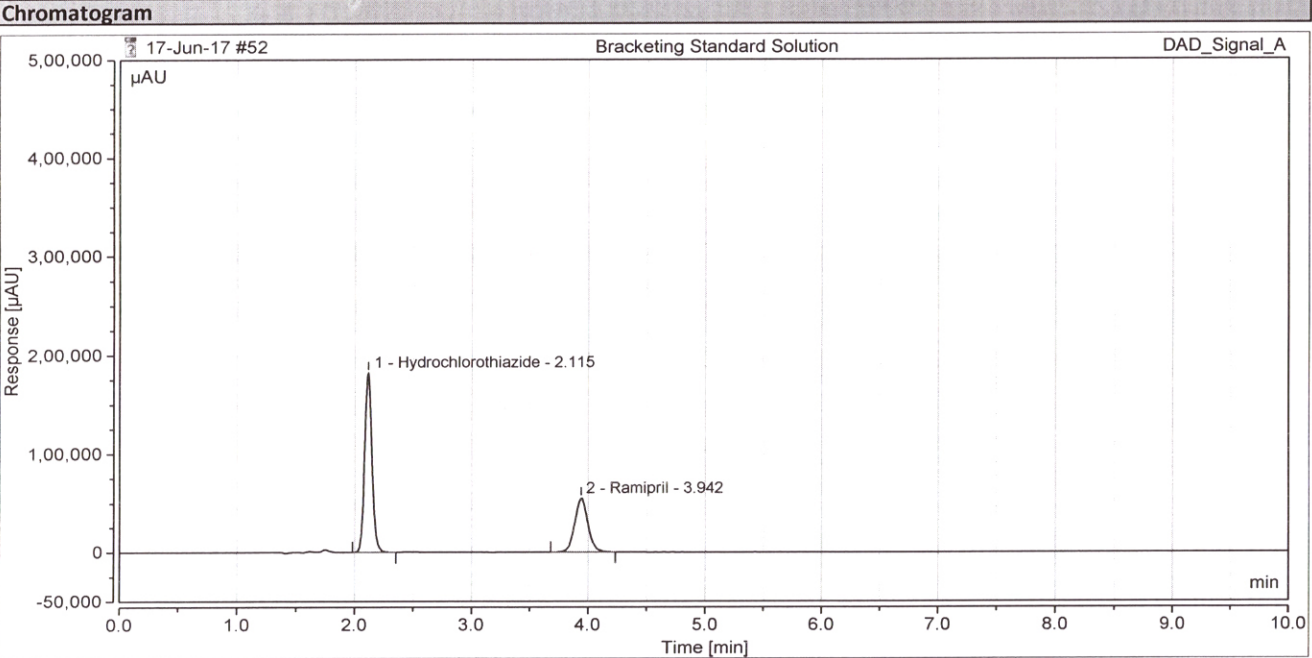
Integration Results

No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.115	13510.451	65.59	5465	1.14
2	Ramipril	3.942	7089.246	34.41	6018	1.09
Total:			20599.697			

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29-Jun-17

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Injection Details			
Injection Name:	Bracketing Standard Solution	Run Time (min):	10.00
Vial Number:	Vial:23	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	DAD_Signal_A
Instrument Method:	Ramithiazide CU HPLC-51	Wavelength:	210
Processing Method:	PR Method_ 2	Instrument Name:	Qbd-INST-HPLC-51
Injection Date/Time:	18-Jun-2017 03:19	Sequence Name:	17-Jun-17
User Name:	Pankaj Gurav		
Chromatogram			



Integration Results						
No.	Peak Name	Retention (DETECTED) min	Area μAU*min	Rel.Area %	Plates (USP)	Asymmetry (EP)
1	Hydrochlorothiazide	2.115	13347.888	64.98	5484	1.13
2	Ramipril	3.942	7192.936	35.02	6053	1.07
Total:			20540.824			

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D_Signal	Name	Position	Volume [µL]	Instrument Method	Processing Method	Status	Comment	Inject Time
None	Pre SST	Vial:2	10.00	Ramithiazide CU HPLC-51	PR Method_1	Finished	Intermediate Precision	17-Jun-2017 15:13 +05:30
None	Blank Solution	Vial:1	10.00	Ramithiazide CU HPLC-51	PR Method_2	Interrupted	Intermediate Precision	17-Jun-2017 16:11 +05:30
None	Blank Solution	Vial:1	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Standard Solution 1	Vial:2	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Standard Solution 2	Vial:2	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Standard Solution 3	Vial:2	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Standard Solution 4	Vial:2	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Standard Solution 5	Vial:2	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Standard Solution 6	Vial:2	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 1	Vial:3	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 2	Vial:4	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 3	Vial:5	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 4	Vial:6	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 5	Vial:7	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 6	Vial:8	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 7	Vial:9	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 8	Vial:10	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 9	Vial:11	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 10	Vial:12	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Bracketing Standard Solution	Vial:2	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Blank Solution	Vial:1	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 1	Vial:13	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 2	Vial:14	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 3	Vial:15	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 4	Vial:16	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 5	Vial:17	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 6	Vial:18	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 7	Vial:19	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 8	Vial:20	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 9	Vial:21	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Sample Solution 10	Vial:22	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Bracketing Standard Solution	Vial:2	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Blank Solution	Vial:1	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Standard Solution 1	Vial:23	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Standard Solution 2	Vial:23	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Standard Solution 3	Vial:23	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	
None	Standard Solution 4	Vial:23	10.00	Ramithiazide CU HPLC-51	PR Method_2	Idle	Intermediate Precision	

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Last Update Operator: Pankaj Gurav

None	Standard Solution 5	Vial:23	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Standard Solution 6	Vial:23	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Sample Solution 1	Vial:24	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Sample Solution 2	Vial:25	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Sample Solution 3	Vial:26	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Sample Solution 4	Vial:27	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Sample Solution 5	Vial:28	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Sample Solution 6	Vial:29	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Sample Solution 7	Vial:30	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Sample Solution 8	Vial:31	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Sample Solution 9	Vial:32	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Sample Solution 10	Vial:33	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Bracketing Standard Solution	Vial:23	10.00	Ramithiazide CU HPLC-51	PR Method_ 2	Idle	Intermediate Precision
None	Wash	Vial:1	10.00	Wash method _HPLC 51	PR Method_ 2	Idle	Intermediate Precision
None	Shut	Vial:1	10.00	New Shut method _HPLC 51	PR Method_ 2	Idle	Intermediate Precision

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Name	Ramithiazide CU HPLC-51
Data Vault	XVault
Path	chrom://qbd-pc-07/XVault/Qbd-INST-HPLC-51/432/17-Jun-17.seq/Ramithiazide CU HPLC-51.instmeth
Comment	instrument method updted
Description	
Run time	10.000 [min]
Instrument	Qbd-INST-HPLC-51 on qbd-pc-07
Created	07-Jun-2017 20:43 +05:30 Sachin Pujari
Last Update	17-Jun-2017 15:04 +05:30 Santosh Padmure

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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.DAD_Signal_A.AcqOn LCSystem.DAD_Spectra.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 LCSystem.QuatPump_SolventRatioD.AcqOff LCSystem.TCC_Left_Temperature.AcqOff LCSystem.TCC_Right_Temperature.AcqOff LCSystem.DAD_Signal_A.AcqOff LCSystem.DAD_Spectra.AcqOff		
End				

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Property	Value
Settings for module Quat. Pump (G1311A - 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 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	0.80 [°C]
Value	

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Section Right Temperature Control (RightTemperatureControl)	
Right temperature Control Mode	Temperature Set
Right temperature	25.00 [°C]
Section Enable Analysis Right Temperature (RightTemperatureControl_NotReadyLimit)	
Enable Analysis Right Temperature	Yes
On	
Enable Analysis Right Temperature	0.80 [°C]
Value	
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 DAD (G1315B - DAD: DAD.0)	
Peakwidth	> 0.1 min (2 s response time) (2.5 Hz)
Slit	4 nm
UV Lamp Required	Yes
Vis Lamp Required	No
Section Analog Output 1 (AnalogOutput1)	
Analog 1 Zero Offset	5 [%]
Analog 1 Attenuation	1000 [mAU]
Section Analog Output 2 (AnalogOutput2)	
Analog 2 Zero Offset	5 [%]
Analog 2 Attenuation	1000 [mAU]
Section Signals (Signals)	
Signal table (Signals_Signal)	
0	
Use Sig.	Yes
Signal	Signal A
Wavelength	210 [nm]
Bandwidth	4 [nm]
Use Ref.	No
1	
Use Sig.	No
Signal	Signal B
2	
Use Sig.	No
Signal	Signal C
3	
Use Sig.	No
Signal	Signal D
4	
Use Sig.	No
Signal	Signal E
Section Prepare Mode (PrepareMode)	
Margin for negative Absorbance	100 [mAU]
Section Autobalance (PrepareAutomation)	
Autobalance Prerun	Yes

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Autobalance Postrun	No
Section Spectrum (SpectraAcquisition)	
Spectrum Range WL from	190 [nm]
Spectrum Range WL to	400 [nm]
Spectrum Step	2.0 [nm]
Spectrum Store	All
Section Stoptime (StopTime)	
Stoptime Mode	As pump/injector
Section Posttime (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	
Settings for module Sampler (G1329A - 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
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	Turned Off
Section Stop Time (StopTime)	
Stoptime Mode	As pump/No limit
Section Post Time (PostTime)	
Posttime Mode	Off
Section Timetable (Timetable)	
Timetable (Timetable_TimetableEntry)	

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Property	Value
Settings for module Sampler (G1329A - Pretreatment (PretreatmentInstruction)	

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