
 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

pH stability of Rebaudioside M 50%

Prepared by: _____ **Date** _____
 (Scientist)

Approved by: _____ **Date** _____
 (Vice President of R&D and Process Development)

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Objective


To determine pH stability of *Rebaudioside M 50%* produced by *PureCircle*.

Samples

One sample representing commercial lots of *Rebaudioside M 50%* labeled as “PT240714”.

Standards

1. Rebaudioside A standard (USP Rockville, MD USA, Lot#F0I077), or equivalent;
2. Stevioside standard (USP Rockville, MD USA, Lot#F0I080), or equivalent;
3. Rebaudioside B standard (Chromadex Inc. Irvine, CA USA, Lot# 00018227-101), or equivalent;
4. Rebaudioside C standard (Chromadex Inc. Irvine, CA USA, Lot# 00018228-3962), or equivalent;
5. Rebaudioside D standard (Chromadex Inc. Irvine, CA USA, Lot# 00018229-4104), or equivalent;
6. Rebaudioside F standard (Chromadex Inc. Irvine, CA USA, Lot# 00018305-103), or equivalent;
7. Steviolbioside standard (Chromadex Inc. Irvine, CA USA, Lot# 00019349-2871-16), or equivalent;
8. Dulcoside A standard (Chromadex Inc. Irvine, CA USA, Lot# 00004949-002), or equivalent;
9. Rubusoside standard (PureCircle Sdn. Bhd., Malaysia, Lot# 270308), or equivalent;
10. Rebaudioside M standard (Chromadex Inc. Irvine, CA USA, Lot# 00018234-133), or equivalent.

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Solvents and Reagents

- Acetonitrile, HPLC grade (JT Baker®, USA);
- Water, HPLC grade (JT Baker®, USA);
- Sodium dihydrogen phosphate monohydrate, NaH₂PO₄·H₂O (Merck®, Germany);
- Disodium hydrogen orthophosphate anhydrous, Na₂HPO₄ (Fischer Scientific®);
- - *ortho*-Phosphoric acid 85% (System®, USA).

Apparatus


1. Agilent 1100 HPLC system equipped with Quaternary pump (G1311A), auto sampler (G1313A), thermostatted column compartment (G1316A) and MWD detector (G1365B), (Agilent Technologies, USA);
2. *Agilent® Poroshell 120 SB-C18* analytical column; 4.6x150mm, 2.7µm, 120Å (PN 683975-902);
3. Analytical balance, XS205, (Mettler Toledo, USA);
4. Karl Fischer coulometer, Mettler Toledo DL-39, (Mettler Toledo, USA);
5. Volumetric (class A) and Laboratory glassware.

Sample Solution

Sample solution was prepared in 0.1M phosphate buffer ranging from pH 2 to pH 8.

Sample solution storage

Each pH level was stored at 4 different temperatures conditions such as 5°C, 25°C, 37°C and 56°C in sealed amber glass vials.

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Analysis

Analysis and calculations were performed as per JECFA2010 monograph method.
The assay results are summarized in Table 1-4 and Figure 1-14.

Table 1

Rebaudioside M 50% and related steviol glycosides assay at 5°C

Total steviol glycosides, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	872.59	881.11	881.85	885.63	883.00	880.33	879.49
1 week	874.43	890.87	887.87	890.31	892.56	890.19	890.21
2 weeks	866.88	883.10	885.21	885.48	887.34	885.05	884.91
3 weeks	869.05	890.59	892.85	892.37	895.03	892.87	890.64
Rebaudioside D, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	339.58	347.37	348.90	349.41	348.85	347.21	347.49
1 week	340.03	352.63	352.57	353.29	353.13	352.01	352.42
2 weeks	333.04	346.93	348.87	349.18	349.00	346.90	347.51
3 weeks	333.01	351.32	353.04	352.77	352.91	350.62	350.31
Rebaudioside M, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	469.73	469.94	469.65	471.48	469.51	469.58	468.43
1 week	470.87	474.78	471.41	472.00	473.24	472.95	472.06
2 weeks	471.11	473.35	472.78	472.06	472.16	471.84	470.64
3 weeks	473.42	475.87	476.41	475.49	476.19	475.85	473.67
Rebaudioside A, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	56.88	58.27	58.71	59.36	59.18	57.84	58.38
1 week	57.73	59.55	59.75	60.10	60.45	59.32	60.13
2 weeks	56.78	58.77	59.44	59.71	59.57	58.04	58.83
3 weeks	56.51	58.92	58.85	59.06	59.36	58.41	58.38
Rubusoside, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	2.87	3.61	2.84	3.06	2.86	3.30	2.87
1 week	2.18	2.22	2.58	2.88	3.34	2.81	3.16
2 weeks	2.55	2.61	2.40	2.76	4.46	5.86	5.38
3 weeks	2.19	2.73	3.15	3.61	4.45	5.59	5.95

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Rebaudisoide B, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	3.54	1.92	1.76	2.31	2.60	2.40	2.33
1 week	3.62	1.69	1.55	2.04	2.40	3.10	2.52
2 weeks	3.40	1.44	1.72	1.76	2.15	2.41	2.55
3 weeks	3.91	1.75	1.40	1.44	2.12	2.40	2.34
Steviolbioside, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	<1	<1	<1	<1	<1	<1	<1
1 week	<1	<1	<1	<1	<1	<1	<1
2 weeks	<1	<1	<1	<1	<1	<1	<1
3 weeks	<1	<1	<1	<1	<1	<1	<1



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Table 2

Rebaudioside M 50% and related steviol glycosides assay at 25°C

Total steviol glycosides, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	872.59	881.11	881.85	885.63	883.00	880.33	879.49
1 week	834.75	888.27	891.43	890.80	891.19	890.54	890.41
2 weeks	721.73	881.24	884.49	881.77	884.72	883.68	882.41
3 weeks	658.04	884.98	892.61	890.64	895.42	890.53	888.31
Rebaudioside D, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	339.58	347.37	348.90	349.41	348.85	347.21	347.49
1 week	298.95	350.39	353.31	352.48	352.35	351.64	351.70
2 weeks	266.78	344.32	347.34	346.44	347.33	346.32	345.79
3 weeks	239.13	345.64	351.66	350.65	352.26	349.57	349.15
Rebaudioside M, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	469.73	469.94	469.65	471.48	469.51	469.58	468.43
1 week	470.04	473.86	473.62	473.06	473.21	473.53	472.82
2 weeks	387.57	473.59	473.10	471.35	472.49	472.47	470.86
3 weeks	349.81	476.32	477.17	475.50	477.72	475.54	473.13
Rebaudioside A, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	56.88	58.27	58.71	59.36	59.18	57.84	58.38
1 week	52.67	59.51	60.16	60.14	60.22	59.74	59.78
2 weeks	48.29	57.89	59.07	58.79	59.07	58.14	58.52
3 weeks	44.32	57.64	59.16	58.94	59.06	57.90	57.91
Rubusoside, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	2.87	3.61	2.84	3.06	2.86	3.30	2.87
1 week	2.44	1.78	2.06	2.83	3.00	2.99	3.43
2 weeks	3.04	3.28	3.00	3.23	3.61	4.13	4.49
3 weeks	3.14	3.11	2.99	3.36	3.88	4.96	5.59
Rebaudioide B, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	3.54	1.92	1.76	2.31	2.60	2.40	2.33
1 week	10.64	2.73	2.28	2.28	2.41	2.64	2.67
2 weeks	13.85	2.16	1.98	1.96	2.22	2.62	2.47
3 weeks	17.57	2.27	1.63	2.19	2.50	2.57	2.53

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Steviolbioside, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	<1	<1	<1	<1	<1	<1	<1
1 week	<1	<1	<1	<1	<1	<1	<1
2 weeks	2.19	<1	<1	<1	<1	<1	<1
3 weeks	4.06	<1	<1	<1	<1	<1	<1



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Table 3

Rebaudioside M 50% and related steviol glycosides assay at 37°C

Total steviol glycosides, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	872.59	881.11	881.85	885.63	883.00	880.33	879.49
1 week	427.30	877.74	886.55	883.82	890.93	884.98	888.82
2 weeks	281.76	853.61	874.49	872.51	875.43	875.57	879.35
3 weeks	224.24	850.17	880.89	877.57	884.78	882.40	881.97
Rebaudioside D, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	339.58	347.37	348.90	349.41	348.85	347.21	347.49
1 week	122.93	339.16	349.97	349.14	352.27	349.33	350.54
2 weeks	58.33	322.99	342.47	341.74	343.47	343.02	344.74
3 weeks	27.14	317.20	345.03	343.97	347.81	346.76	346.28
Rebaudioside M, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	469.73	469.94	469.65	471.48	469.51	469.58	468.43
1 week	200.40	472.64	472.21	470.87	473.83	472.11	472.77
2 weeks	101.00	467.20	469.36	467.94	468.97	469.74	471.07
3 weeks	53.12	468.57	472.98	470.06	473.27	472.37	471.86
Rebaudioside A, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	56.88	58.27	58.71	59.36	59.18	57.84	58.38
1 week	27.21	58.32	59.39	59.55	60.27	58.76	59.96
2 weeks	15.84	54.81	57.64	57.56	57.84	57.52	58.19
3 weeks	8.94	54.05	57.41	57.06	57.96	57.33	57.50
Rubusoside, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	2.87	3.61	2.84	3.06	2.86	3.30	2.87
1 week	2.40	2.44	2.31	1.40	1.63	1.60	2.02
2 weeks	2.63	2.66	2.18	2.76	2.26	1.65	1.48
3 weeks	2.98	2.56	2.45	3.68	2.46	1.74	2.09
Rebaudioside B, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	3.54	1.92	1.76	2.31	2.60	2.40	2.33
1 week	40.67	5.19	2.67	2.86	2.92	3.18	3.53
2 weeks	37.93	5.95	2.85	2.51	2.88	3.63	3.88
3 weeks	32.31	7.79	3.02	2.79	3.28	4.20	4.23

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Steviolbioside, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	<1	<1	<1	<1	<1	<1	<1
1 week	33.70	<1	<1	<1	<1	<1	<1
2 weeks	66.03	<1	<1	<1	<1	<1	<1
3 weeks	99.74	<1	<1	<1	<1	<1	<1



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Table 4

Rebaudioside M 50% and related steviol glycosides assay at 56°C

Total steviol glycosides, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	872.59	881.11	881.85	885.63	883.00	880.33	879.49
1 week	52.83	771.12	866.47	879.44	861.89	834.96	858.63
2 weeks	27.52	578.56	854.90	850.84	833.18	797.45	840.88
3 weeks	15.68	490.21	821.83	850.86	797.31	763.82	839.39
Rebaudioside D, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	339.58	347.37	348.90	349.41	348.85	347.21	347.49
1 week	1.80	246.74	334.70	344.21	336.93	323.43	335.79
2 weeks	0.00	186.48	322.36	328.23	322.35	312.55	324.82
3 weeks	0.00	144.46	314.39	326.25	306.17	294.13	321.53
Rebaudioside M, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	469.73	469.94	469.65	471.48	469.51	469.58	468.43
1 week	26.94	439.44	463.41	467.05	457.21	439.17	453.90
2 weeks	8.12	293.01	460.28	452.64	439.12	413.47	443.91
3 weeks	0.00	229.22	432.75	451.15	415.32	391.97	439.54
Rebaudioside A, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	56.88	58.27	58.71	59.36	59.18	57.84	58.38
1 week	7.07	45.78	57.18	59.19	57.61	54.18	57.64
2 weeks	9.57	37.26	56.05	56.34	56.48	54.83	55.72
3 weeks	8.84	30.91	54.09	56.34	54.25	54.42	54.59
Rubusoside, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	2.87	3.61	2.84	3.06	2.86	3.30	2.87
1 week	1.64	1.75	1.46	1.07	<1	7.92	<1
2 weeks	1.91	1.99	1.78	2.29	1.29	<1	1.10
3 weeks	3.01	2.23	2.54	1.50	1.81	<1	1.23
Rebaudioside B, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	3.54	1.92	1.76	2.31	2.60	2.40	2.33
1 week	15.38	31.91	9.72	7.93	9.21	10.26	10.58
2 weeks	7.92	44.25	14.42	11.35	13.95	15.65	15.33
3 weeks	3.82	53.92	18.05	15.62	19.76	22.36	22.50

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Steviolbioside, ppm							
	pH 2	pH 3	pH 4	pH 5	pH 6	pH 7	pH 8
t=0	<1	<1	<1	<1	<1	<1	<1
1 week	<1	5.50	<1	<1	<1	<1	<1
2 weeks	<1	15.57	<1	<1	<1	<1	<1
3 weeks	<1	29.47	<1	<1	<1	<1	<1

* Average of 2 duplicates is reported.

Reb M, A, B, C, D, F – Rebaudioside M, A, B, C, D, F

Stev – Stevioside

DulA – Dulcoside A

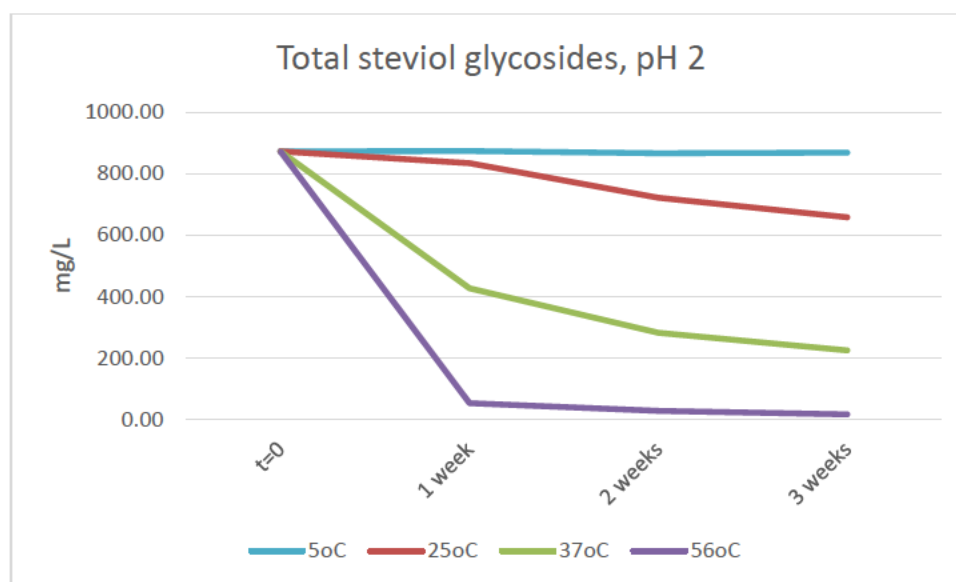
Rub – Rubusoside

Sbio – Steviolbioside

NA – Not available

Figure 1

Total Steviol glycosides of Reb M 50%, pH 2 at 5°C, 25°C, 37°C and 56°C, respectively




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Figure 2

Total Steviol glycosides of Reb M 50%, pH 3 at 5°C, 25°C, 37°C and 56°C, respectively

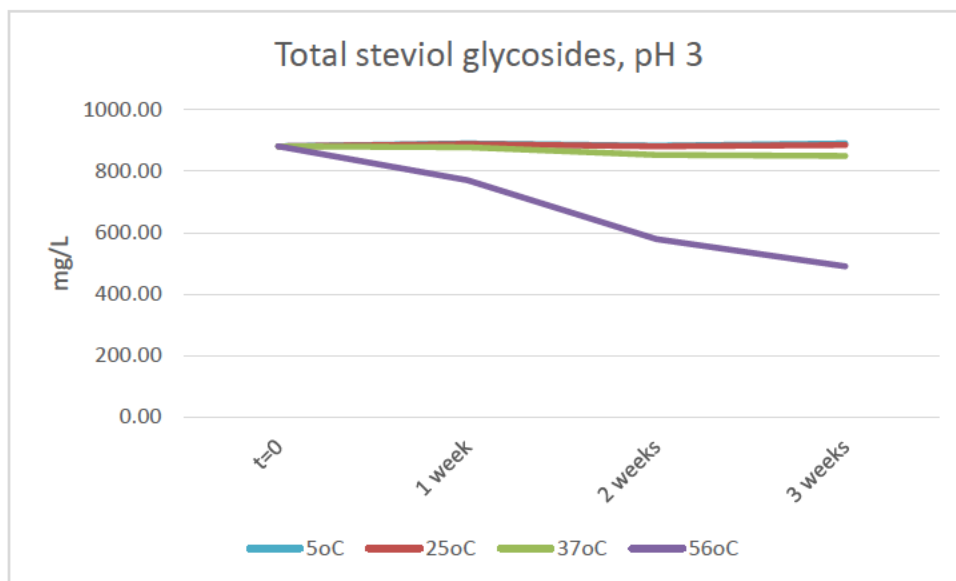
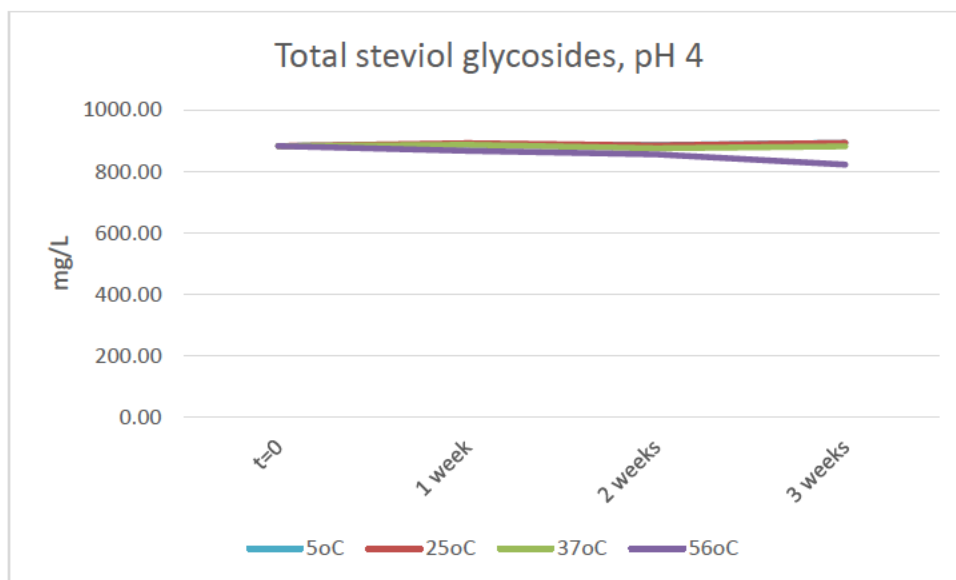


Figure 3

Total Steviol glycosides of Reb M 50%, pH 4 at 5°C, 25°C, 37°C and 56°C respectively




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Figure 4

Total Steviol glycosides of Reb M 50%, pH 5 at 5°C, 25°C, 37°C and 56°C, respectively

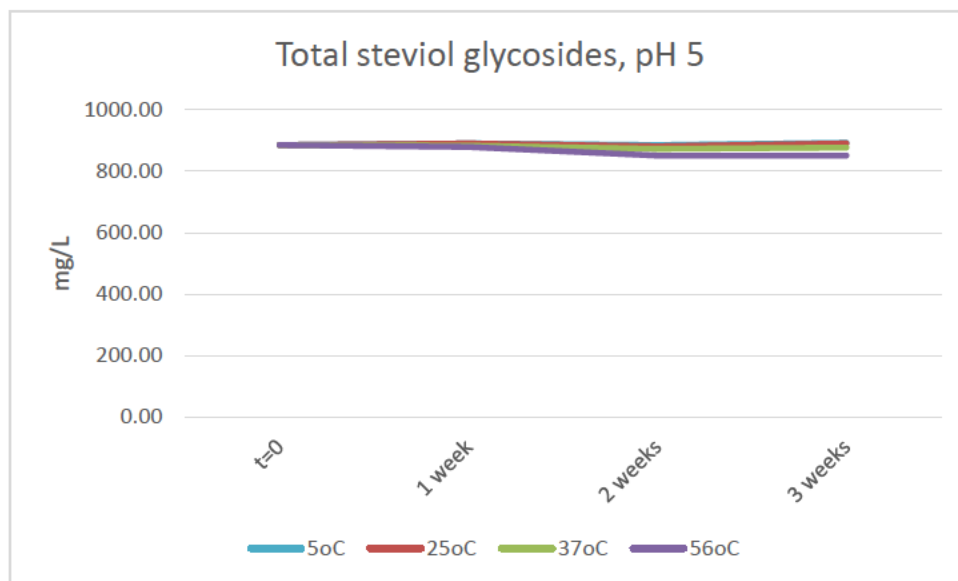
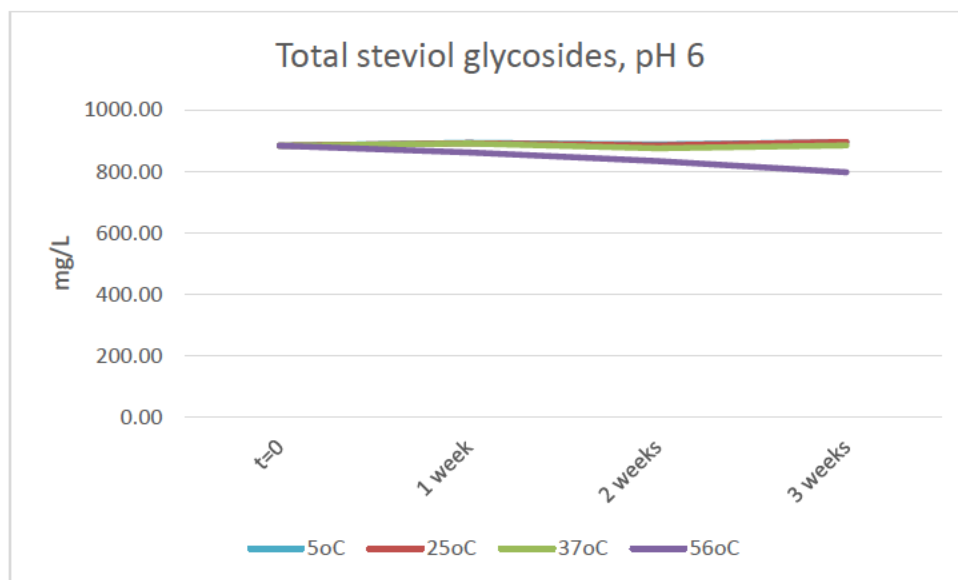


Figure 5

Total Steviol glycosides of Reb M 50%, pH 6 at 5°C, 25°C, 37°C and 56°C, respectively




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Figure 6

Total Steviol glycosides of Reb M 50%, pH 7 at 5°C, 25°C, 37°C and 56°C, respectively

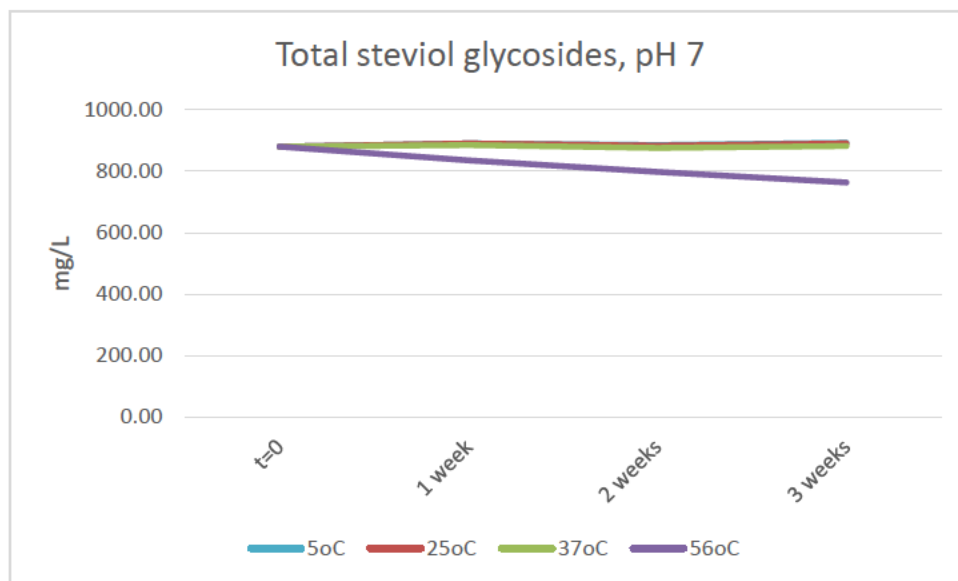
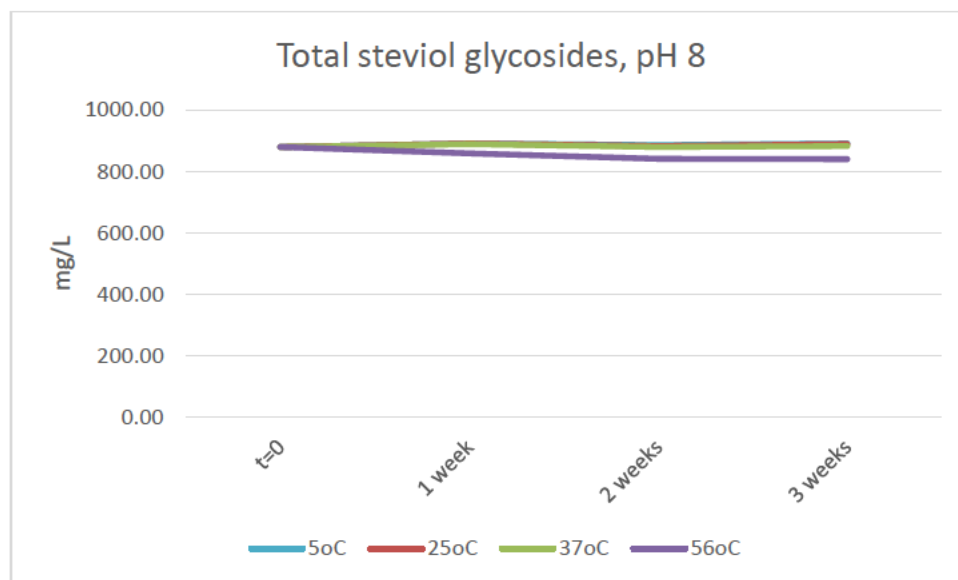


Figure 7

Total Steviol glycosides of Reb M 50%, pH 8 at 5°C, 25°C, 37°C and 56°C, respectively




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Figure 8

Reb M in Reb M 50%, pH 2 at 5°C, 25°C, 37°C and 56°C, respectively

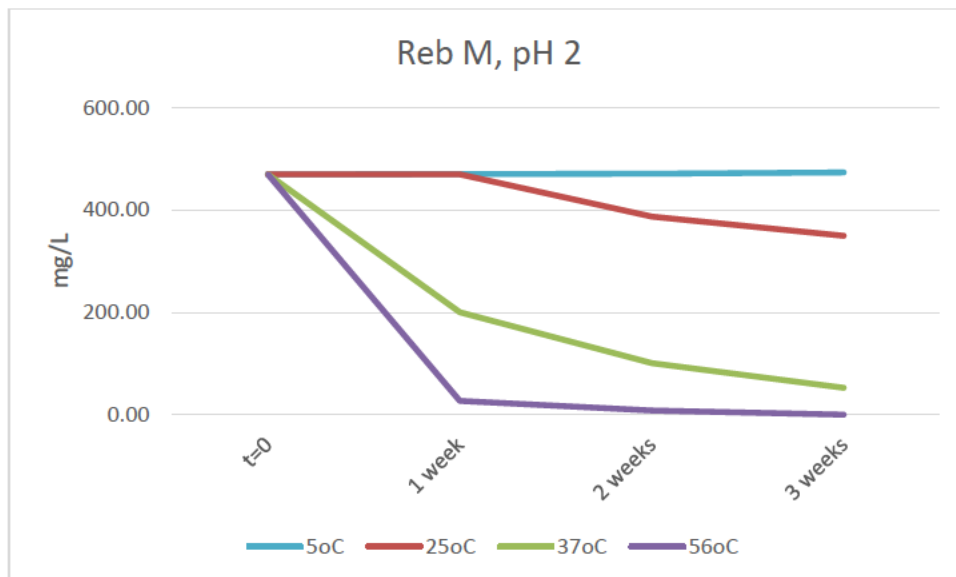
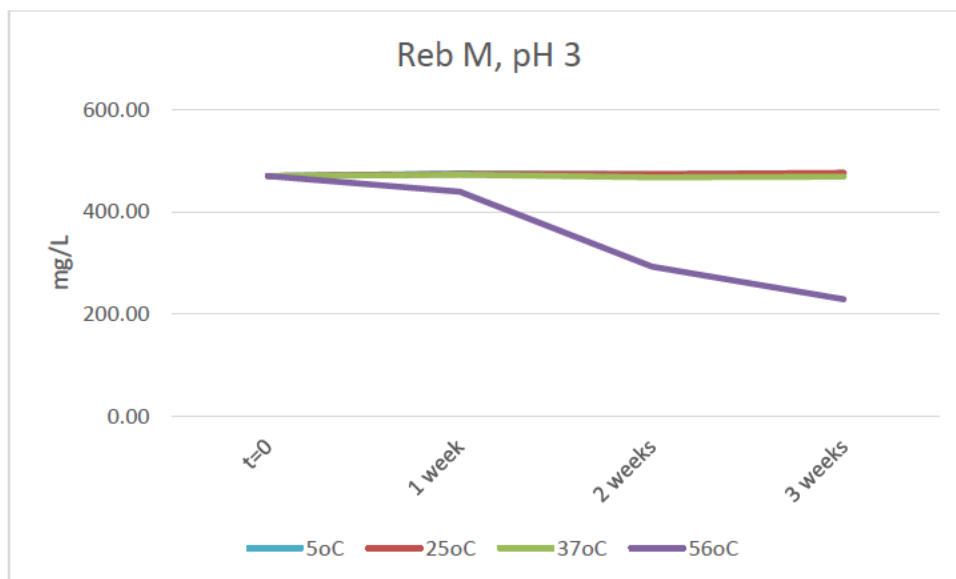


Figure 9

Reb M in Reb M 50%, pH 3 at 5°C, 25°C, 37°C and 56°C, respectively




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Figure 10

Reb M in Reb M 50%, pH 4 at 5°C, 25°C, 37°C and 56°C, respectively

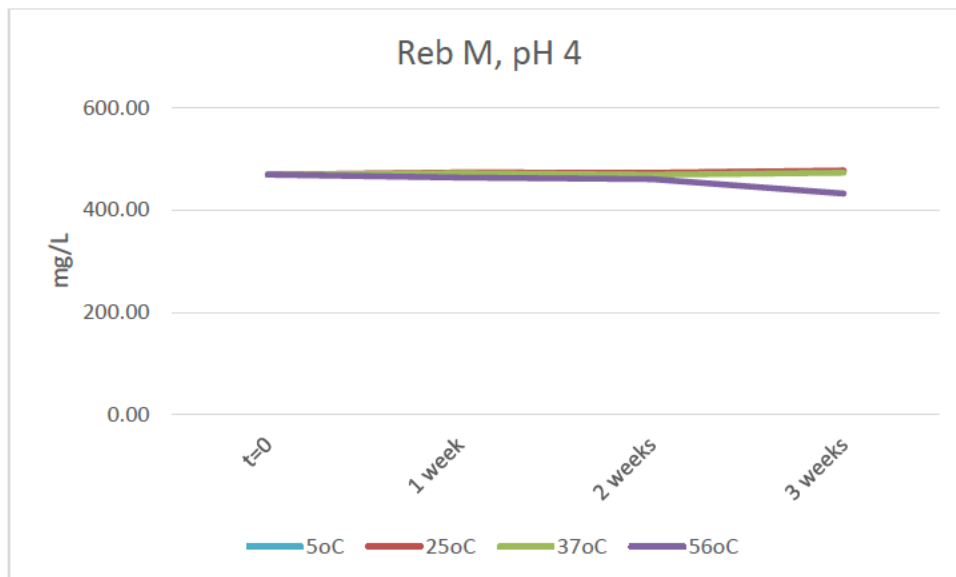
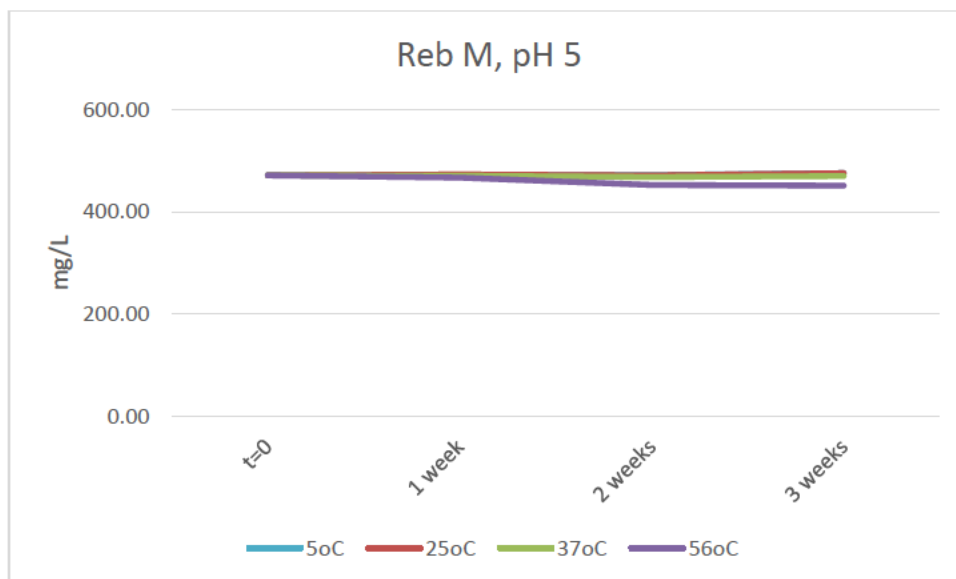


Figure 11

Reb M in Reb M 50%, pH 5 at 5°C, 25°C, 37°C and 56°C, respectively




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Figure 12

Reb M in Reb M 50%, pH 6 at 6°C, 25°C, 37°C and 56°C, respectively

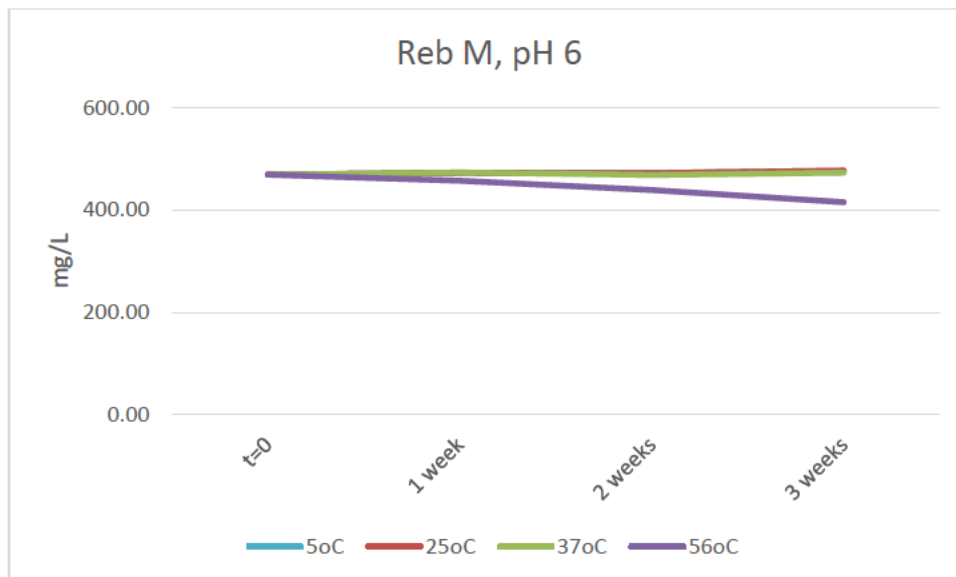
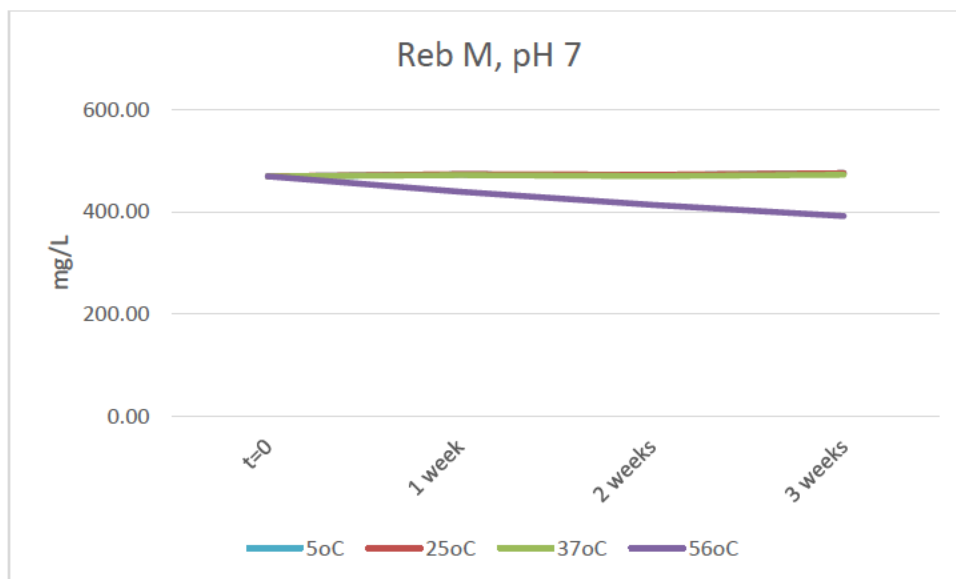


Figure 13

Reb M in Reb M 50%, pH 7 at 6°C, 25°C, 37°C and 56°C, respectively




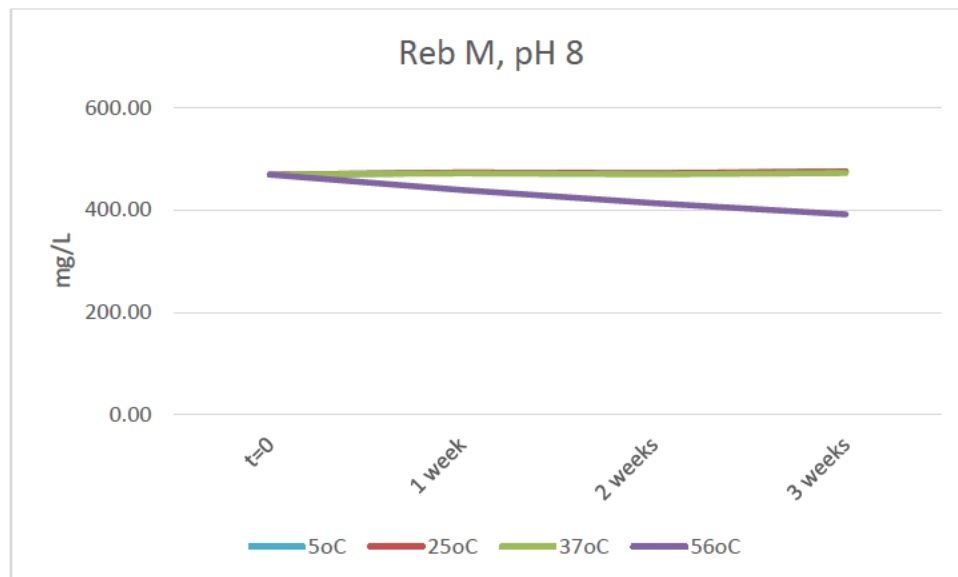
 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00


Figure 14

Reb M in Reb M 50%, pH 8 at 6°C, 25°C, 37°C and 56°C, respectively




Reference

1. Steviol glycosides, FAO JECFA monograph 10 (2010), p17-21.

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

APPENDIX A

Sample Chromatograms

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH2_W0_1.D
Sample Name: RM50

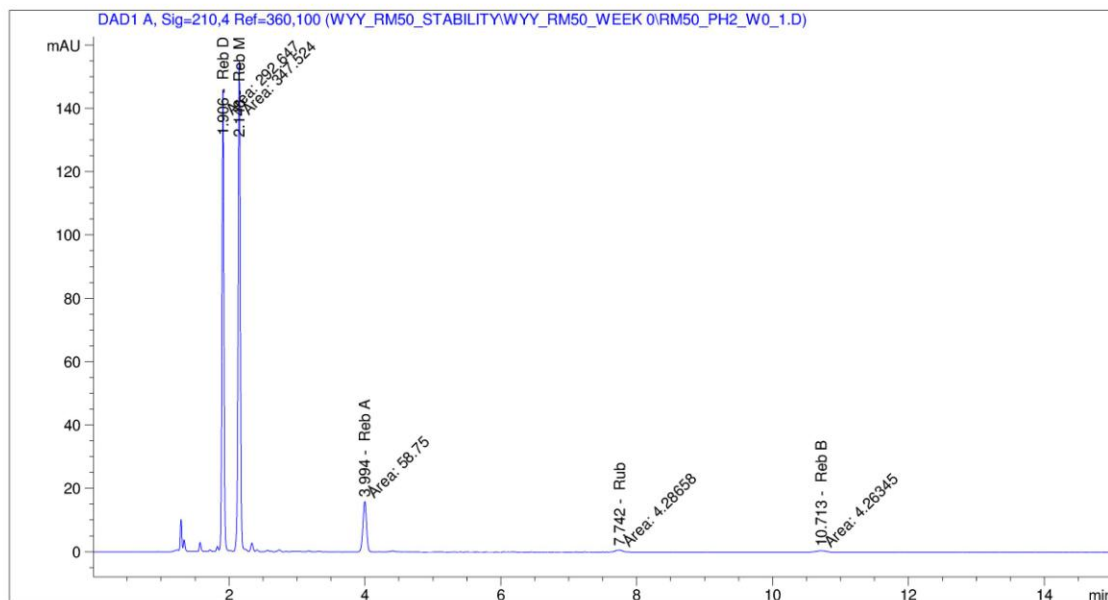
```

=====
Acq. Operator   :                               Seq. Line :   23
Acq. Instrument : HPLC 8                       Location  : Vial 11
Injection Date  : 8/25/2014 11:15:12 PM         Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 8/25/2014 5:05:39 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\WYY_RM50_W0.M
Last changed    : 9/17/2014 12:20:36 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info     : RM50, PT240714, pH2, 899.7820 mg/L
=====

```



External Standard Report


```

=====
Sorted By      : Signal
Calib. Data Modified : 8/26/2014 9:11:49 AM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.906	MF	292.64694	1.16033	339.56581		Reb D
2.148	MF	347.52368	1.35186	469.80354		Reb M
3.994	MM +	58.75005	9.73794e-1	57.21044		Reb A

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH2_W0_1.D
Sample Name: RM50


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.195		-	-	-		Stev
5.062		-	-	-		Reb F
5.535		-	-	-		Reb C
5.977		-	-	-		Dul A
7.742	MM	4.28658	9.73794e-1	2.77462		Rub
10.713	MM	4.26345	9.73794e-1	3.45423		Reb B
11.359		-	-	-		Sbio

Totals : 872.80864

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH2_25C_W3_1.D

Sample Name: RM50

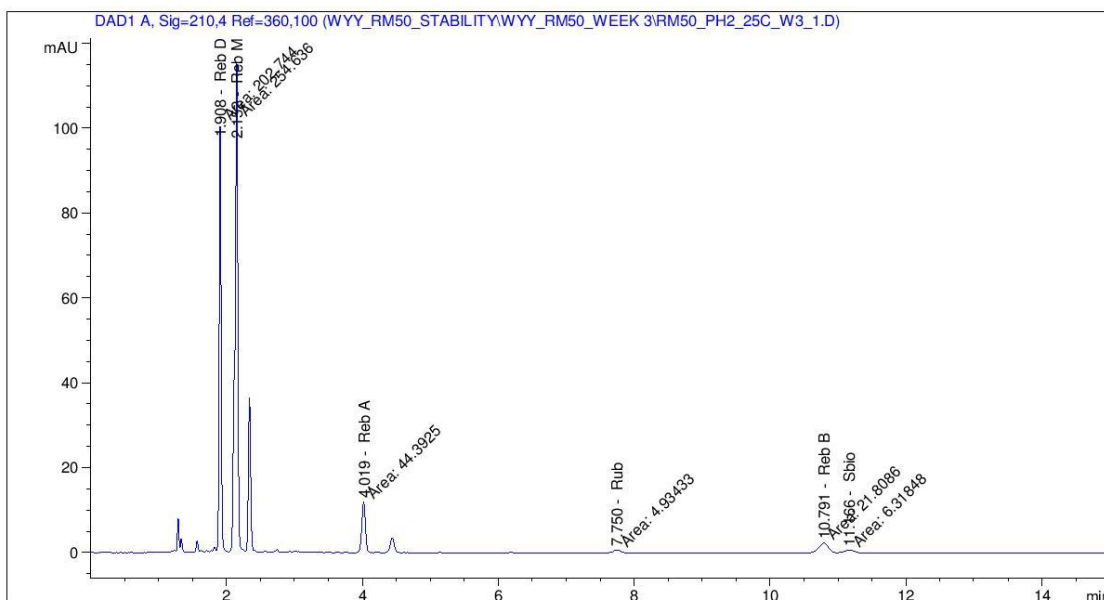
```

=====
Acq. Operator   :                               Seq. Line :   22
Acq. Instrument : HPLC 8                       Location  : Vial 21
Injection Date  : 9/15/2014 3:57:03 PM          Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 9/15/2014 9:46:43 AM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\WYY_RM50_W03.M
Last changed    : 9/17/2014 12:28:05 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info      : RM50, PT240714, pH2, 899.7820 mg/L, 25C, Week 3
=====

```



External Standard Report

```

=====
Sorted By      : Signal
Calib. Data Modified : 9/15/2014 4:39:42 PM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====


```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.908	MF	202.74403	1.18217	239.67788		Reb D
2.152	FM	254.63625	1.38478	352.61439		Reb M
4.019	MM +	44.39251	1.00040	44.41012		Reb A

HPLC 8 9/17/2014 12:28:51 PM

Page 1 of 2

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH2_25C_W3_1.D

Sample Name: RM50

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.220		-	-	-		Stev
5.091		-	-	-		Reb F
5.567		-	-	-		Reb C
6.009		-	-	-		Dul A
7.750	MM	4.93433	1.00040	3.28115		Rub
10.791	MF	21.80857	1.00040	18.15193		Reb B
11.166	FM	6.31848	1.00040	4.20156		Sbio


Totals : 662.33703

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

Warning : Calibrated compound(s) not found

*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH3_W0_1.D
Sample Name: RM50

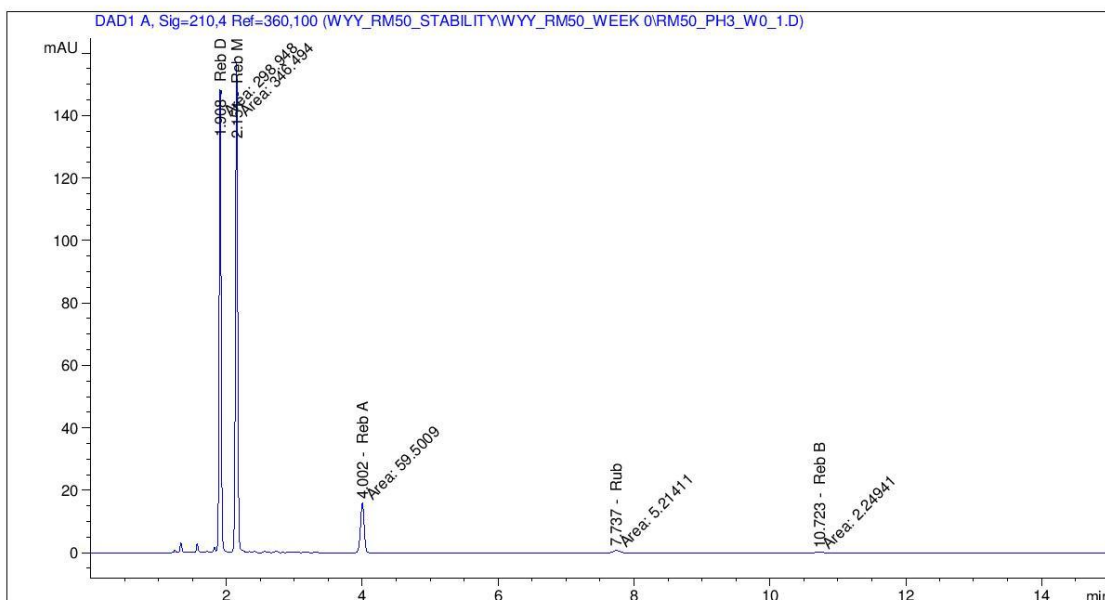
```

=====
Acq. Operator   :                               Seq. Line :   24
Acq. Instrument : HPLC 8                       Location  : Vial 12
Injection Date  : 8/25/2014 11:48:45 PM         Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 8/25/2014 5:05:39 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\WYY_RM50_W0.M
Last changed    : 9/17/2014 12:20:36 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info     : RM50, PT240714, pH3, 898.7030mg/L
=====

```



External Standard Report


```

=====
Sorted By      : Signal
Calib. Data Modified : 8/26/2014 9:11:49 AM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.908	MF	298.94794	1.16033	346.87702		Reb D
2.151	MF	346.49380	1.35186	468.41129		Reb M
4.002	MM +	59.50094	9.73794e-1	57.94165		Reb A

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH3_W0_1.D
Sample Name: RM50


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.203		-	-	-		Stev
5.071		-	-	-		Reb F
5.545		-	-	-		Reb C
5.988		-	-	-		Dul A
7.737	MM	5.21411	9.73794e-1	3.37500		Rub
10.723	MM	2.24941	9.73794e-1	1.82246		Reb B
11.381		-	-	-		Sbio

Totals : 878.42742

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH3_25C_W3_1.D

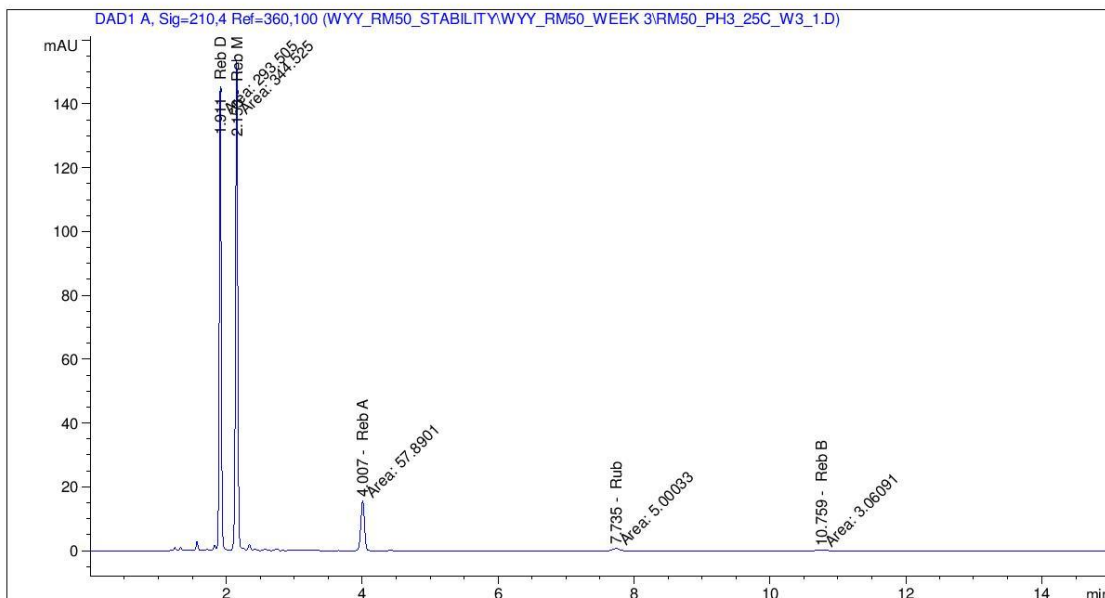
Sample Name: RM50

```

=====
Acq. Operator   :                               Seq. Line :   26
Acq. Instrument : HPLC 8                       Location  : Vial 22
Injection Date  : 9/15/2014 6:11:29 PM          Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 9/15/2014 9:46:43 AM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\WYY_RM50_W03.M
Last changed    : 9/17/2014 12:28:05 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info      : RM50, PT240714, pH3, 898.7030mg/L, 25C, Week 3
  
```



External Standard Report

```


=====
Sorted By      : Signal
Calib. Data Modified : 9/15/2014 4:39:42 PM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.911	MF	293.50479	1.18217	346.97251		Reb D
2.153	MF	344.52536	1.38478	477.09076		Reb M
4.007	MM +	57.89013	1.00040	57.91308		Reb A

HPLC 8 9/17/2014 12:29:44 PM

Page 1 of 2

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH3_25C_W3_1.D
Sample Name: RM50


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.207		-	-	-		Stev
5.076		-	-	-		Reb F
5.550		-	-	-		Reb C
5.990		-	-	-		Dul A
7.735	MM	5.00033	1.00040	3.32504		Rub
10.759	MM	3.06091	1.00040	2.54769		Reb B
11.391		-	-	-		Sbio

Totals : 887.84909

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH4_W0_1.D
Sample Name: RM50

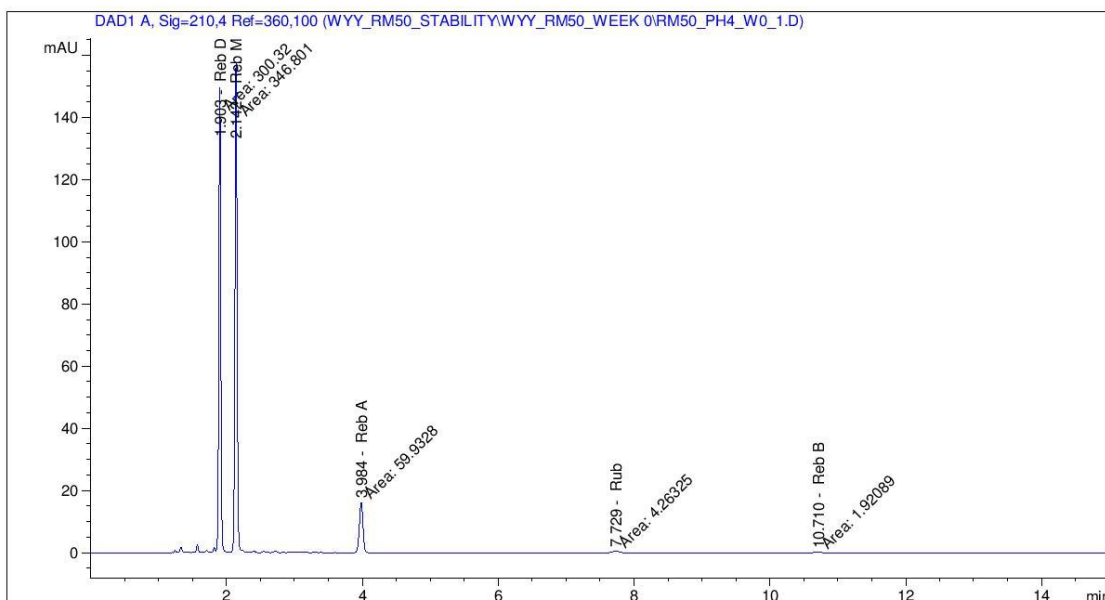
```

=====
Acq. Operator   :                               Seq. Line :   25
Acq. Instrument : HPLC 8                       Location  : Vial 13
Injection Date  : 8/26/2014 12:22:17 AM         Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 8/25/2014 5:05:39 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\WYY_RM50_W0.M
Last changed    : 9/17/2014 12:20:36 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info     : RM50, PT240714, pH4, 898.9188 mg/L
=====

```



External Standard Report


```

=====
Sorted By      : Signal
Calib. Data Modified : 8/26/2014 9:11:49 AM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.903	MF	300.32047	1.16033	348.46960		Reb D
2.142	MF	346.80066	1.35186	468.82611		Reb M
3.984	MM +	59.93284	9.73794e-1	58.36224		Reb A

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH4_W0_1.D
Sample Name: RM50


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.185		-	-	-		Stev
5.049		-	-	-		Reb F
5.521		-	-	-		Reb C
5.962		-	-	-		Dul A
7.729	MM	4.26325	9.73794e-1	2.75952		Rub
10.710	MM	1.92089	9.73794e-1	1.55630		Reb B
11.331		-	-	-		Sbio

Totals : 879.97377

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH4_25C_W3_1.D

Sample Name: RM50

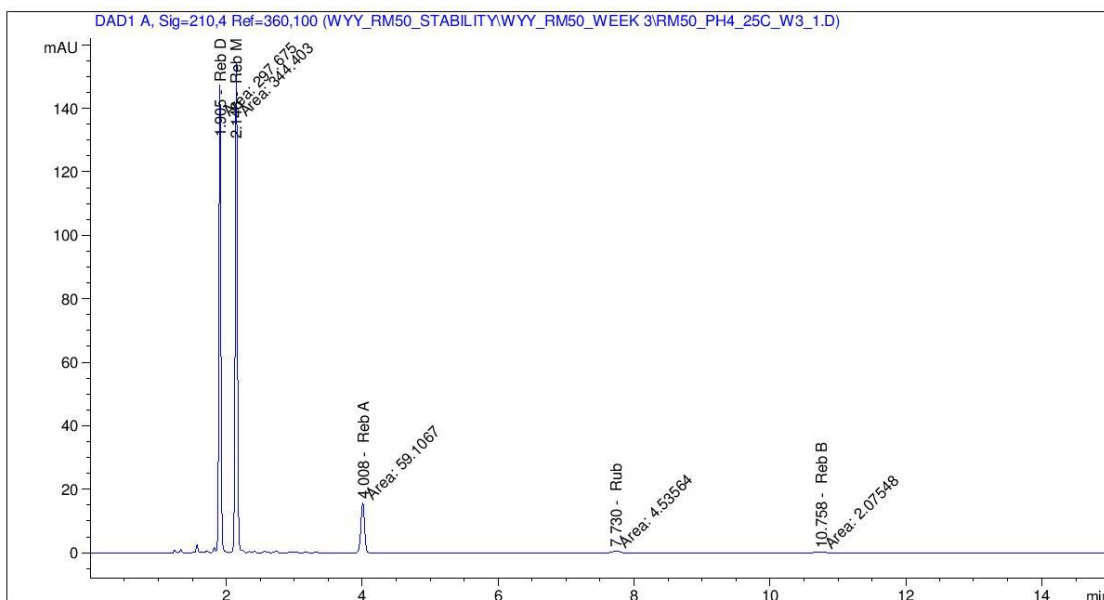
```

=====
Acq. Operator   :                               Seq. Line :   30
Acq. Instrument : HPLC 8                       Location  : Vial 23
Injection Date  : 9/15/2014 8:26:01 PM          Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 9/15/2014 9:46:43 AM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\WYY_RM50_W03.M
Last changed    : 9/17/2014 12:28:05 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info      : RM50, PT240714, pH4, 898.9188 mg/L, 25C, Week 3
=====

```



External Standard Report


```

=====
Sorted By      : Signal
Calib. Data Modified : 9/15/2014 4:39:42 PM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.905	MF	297.67542	1.18217	351.90290		Reb D
2.148	FM	344.40308	1.38478	476.92143		Reb M
4.008	MM +	59.10674	1.00040	59.13018		Reb A

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH4_25C_W3_1.D

Sample Name: RM50

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.208		-	-	-		Stev
5.077		-	-	-		Reb F
5.551		-	-	-		Reb C
5.991		-	-	-		Dul A
7.730	MM	4.53564	1.00040	3.01604		Rub
10.758	MM	2.07548	1.00040	1.72748		Reb B
11.393		-	-	-		Sbio


Totals : 892.69802

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

Warning : Calibrated compound(s) not found

*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH5_W0_1.D
Sample Name: RM50

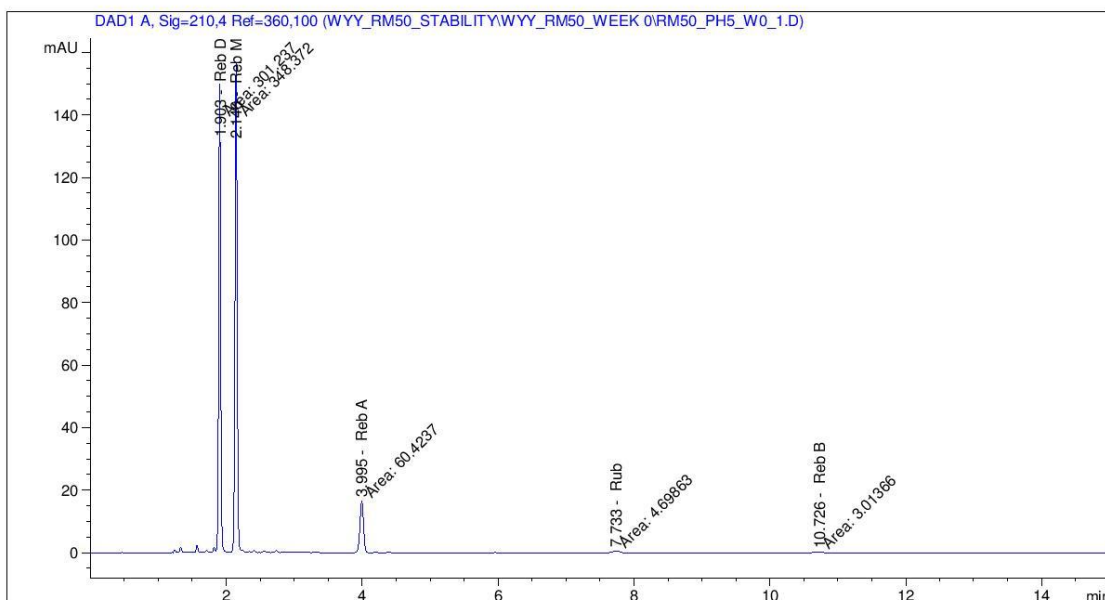
```

=====
Acq. Operator   :                               Seq. Line :   27
Acq. Instrument : HPLC 8                       Location  : Vial 14
Injection Date  : 8/26/2014 1:12:36 AM          Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 8/25/2014 5:05:39 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\WYY_RM50_W0.M
Last changed    : 9/17/2014 12:20:36 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info      : RM50, PT240714, pH5, 899.4044 mg/L
=====

```



External Standard Report


```

=====
Sorted By      : Signal
Calib. Data Modified : 8/26/2014 9:11:49 AM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.903	MF	301.23709	1.16033	349.53318		Reb D
2.146	MF	348.37180	1.35186	470.95007		Reb M
3.995	MM +	60.42368	9.73794e-1	58.84021		Reb A

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH5_W0_1.D
Sample Name: RM50


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.195		-	-	-		Stev
5.062		-	-	-		Reb F
5.535		-	-	-		Reb C
5.978		-	-	-		Dul A
7.733	MM	4.69863	9.73794e-1	3.04134		Rub
10.726	MM	3.01366	9.73794e-1	2.44166		Reb B
11.360		-	-	-		Sbio

Totals : 884.80646

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

=====
*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH5_25C_W3_1.D

Sample Name: RM50

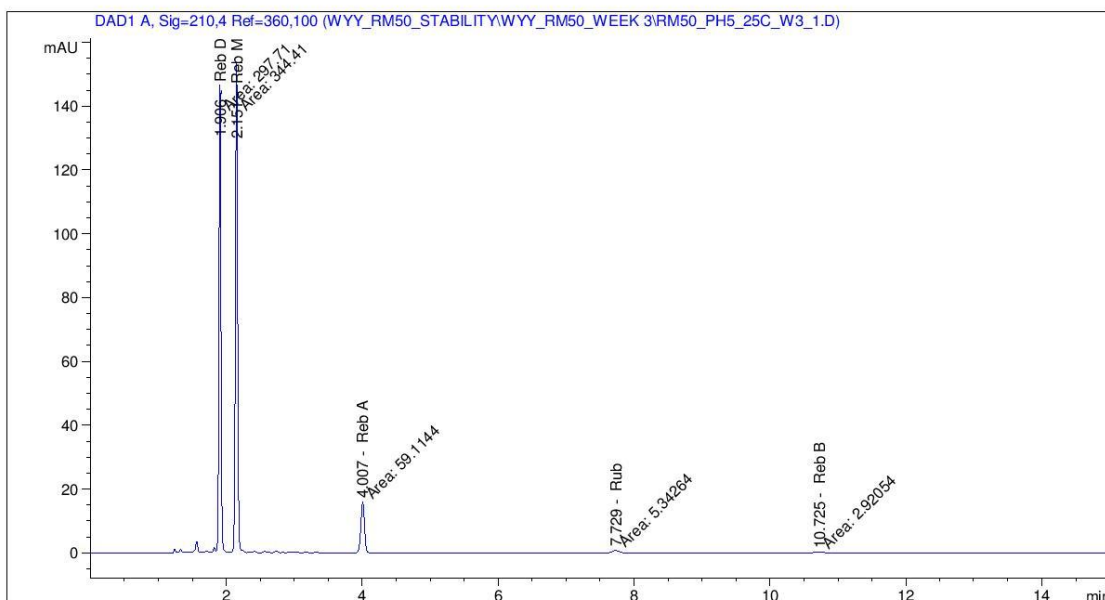
```

=====
Acq. Operator   :                               Seq. Line :   35
Acq. Instrument : HPLC 8                       Location  : Vial 24
Injection Date  : 9/15/2014 10:57:38 PM         Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 9/15/2014 9:46:43 AM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\WYY_RM50_W03.M
Last changed    : 9/17/2014 12:28:05 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info      : RM50, PT240714, pH5, 899.4044 mg/L, 25C, Week 3
=====

```



External Standard Report

```

=====
Sorted By      : Signal
Calib. Data Modified : 9/15/2014 4:39:42 PM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====


```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.906	MF	297.71017	1.18217	351.94399		Reb D
2.151	MF	344.40955	1.38478	476.93039		Reb M
4.007	MM +	59.11438	1.00040	59.13782		Reb A

HPLC 8 9/17/2014 12:31:30 PM

Page 1 of 2

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH5_25C_W3_1.D
Sample Name: RM50


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.208		-	-	-		Stev
5.076		-	-	-		Reb F
5.550		-	-	-		Reb C
5.991		-	-	-		Dul A
7.729	MM	5.34264	1.00040	3.55266		Rub
10.725	MM	2.92054	1.00040	2.43085		Reb B
11.391		-	-	-		Sbio

Totals : 893.99571

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

=====
*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH6_W0_1.D
Sample Name: RM50

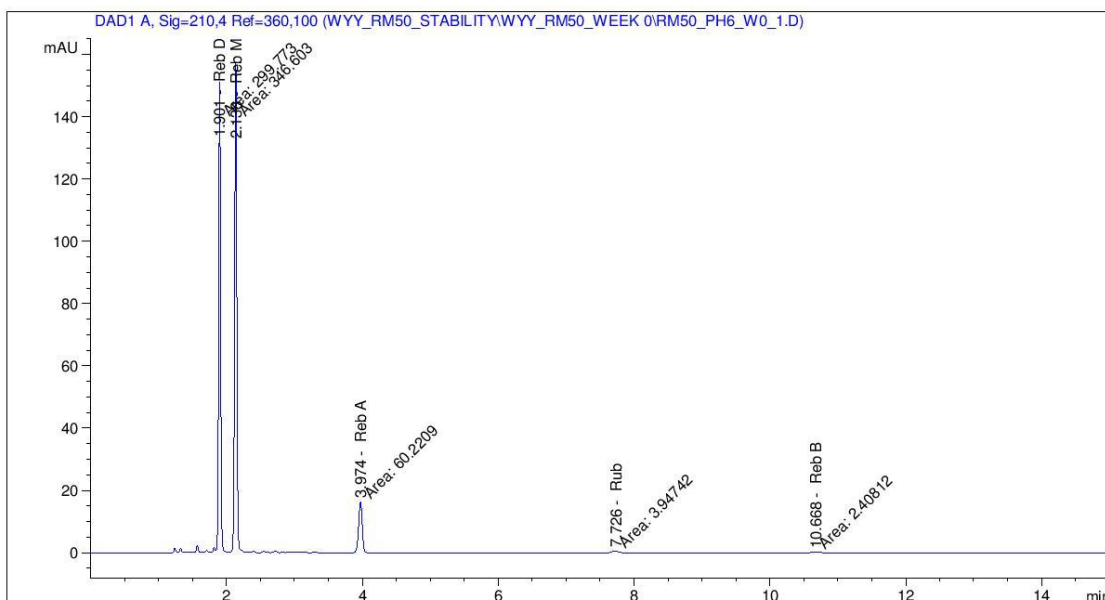
```

=====
Acq. Operator   :                               Seq. Line :   28
Acq. Instrument : HPLC 8                       Location  : Vial 15
Injection Date  : 8/26/2014 1:46:27 AM          Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 8/25/2014 5:05:39 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\WYY_RM50_W0.M
Last changed    : 9/17/2014 12:20:36 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info     : RM50, PT240714, pH6, 899.5662 mg/L
=====

```



External Standard Report


```

=====
Sorted By      : Signal
Calib. Data Modified : 8/26/2014 9:11:49 AM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.901	MF	299.77332	1.16033	347.83472		Reb D
2.138	MF	346.60281	1.35186	468.55866		Reb M
3.974	MM +	60.22088	9.73794e-1	58.64273		Reb A

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH6_W0_1.D
Sample Name: RM50


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.173		-	-	-		Stev
5.035		-	-	-		Reb F
5.506		-	-	-		Reb C
5.946		-	-	-		Dul A
7.726	MM	3.94742	9.73794e-1	2.55509		Rub
10.668	MM	2.40812	9.73794e-1	1.95105		Reb B
11.300		-	-	-		Sbio

Totals : 879.54225

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH6_25C_W3_1.D

Sample Name: RM50

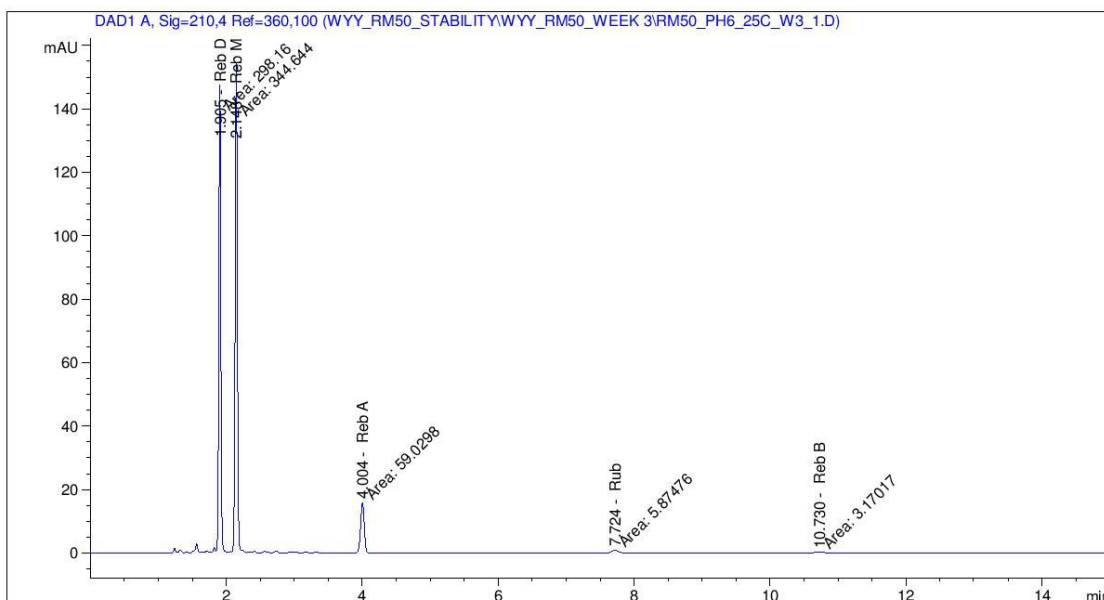
```

=====
Acq. Operator   :                               Seq. Line :   39
Acq. Instrument : HPLC 8                       Location  : Vial 25
Injection Date  : 9/16/2014 1:12:29 AM          Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 9/15/2014 9:46:43 AM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\WYY_RM50_W03.M
Last changed    : 9/17/2014 12:28:05 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info      : RM50, PT240714, pH6, 899.5662 mg/L, 25C, Week 3
=====

```



External Standard Report


```

=====
Sorted By      : Signal
Calib. Data Modified : 9/15/2014 4:39:42 PM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.905	FM	298.15985	1.18217	352.47558		Reb D
2.148	FM	344.64444	1.38478	477.25566		Reb M
4.004	MM +	59.02976	1.00040	59.05317		Reb A

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH6_25C_W3_1.D
Sample Name: RM50


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.204		-	-	-		Stev
5.072		-	-	-		Reb F
5.546		-	-	-		Reb C
5.986		-	-	-		Dul A
7.724	MM	5.87476	1.00040	3.90650		Rub
10.730	MM	3.17017	1.00040	2.63863		Reb B
11.383		-	-	-		Sbio

Totals : 895.32955

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

=====
*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH7_W0_1.D
Sample Name: RM50

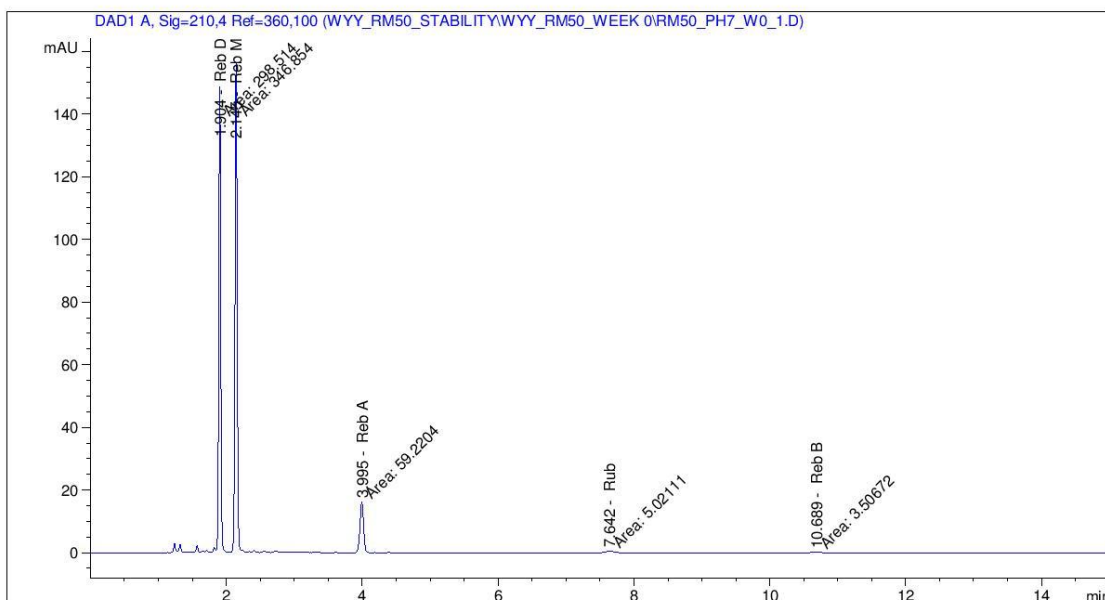
```

=====
Acq. Operator   :                               Seq. Line :   29
Acq. Instrument : HPLC 8                       Location  : Vial 16
Injection Date  : 8/26/2014 2:20:09 AM          Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 8/25/2014 5:05:39 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\WYY_RM50_W0.M
Last changed    : 9/17/2014 12:20:36 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info      : RM50, PT240714, pH7, 899.8900 mg/L
=====

```



External Standard Report


```

=====
Sorted By      : Signal
Calib. Data Modified : 8/26/2014 9:11:49 AM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.904	MF	298.51440	1.16033	346.37398		Reb D
2.145	MF	346.85391	1.35186	468.89811		Reb M
3.995	MM +	59.22039	9.73794e-1	57.66846		Reb A

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH7_W0_1.D
Sample Name: RM50


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.195		-	-	-		Stev
5.062		-	-	-		Reb F
5.535		-	-	-		Reb C
5.978		-	-	-		Dul A
7.642	MM	5.02111	9.73794e-1	3.25007		Rub
10.689	MM	3.50672	9.73794e-1	2.84114		Reb B
11.360		-	-	-		Sbio

Totals : 879.03174

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

=====
*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH7_25C_W3_1.D

Sample Name: RM50

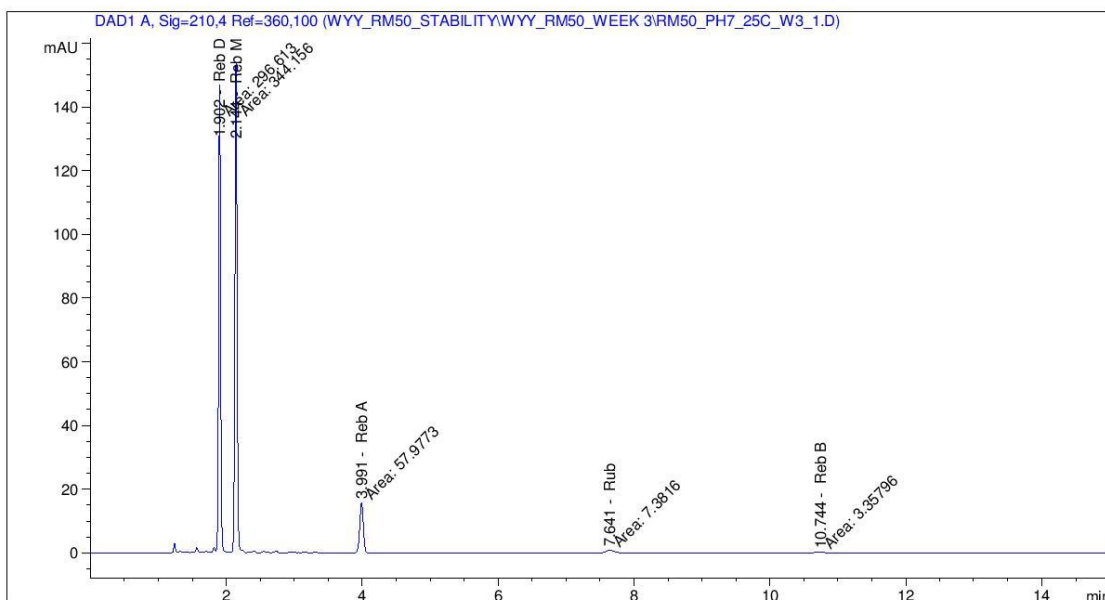
```

=====
Acq. Operator   :                               Seq. Line :   43
Acq. Instrument : HPLC 8                       Location  : Vial 26
Injection Date  : 9/16/2014 3:27:12 AM          Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 9/15/2014 9:46:43 AM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\WYY_RM50_W03.M
Last changed    : 9/17/2014 12:28:05 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info      : RM50, PT240714, pH7, 899.8900 mg/L, 25C, Week 3
=====

```



External Standard Report

```

=====
Sorted By       : Signal
Calib. Data Modified : 9/15/2014 4:39:42 PM
Multiplier      : 1.0000
Dilution        : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====


```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.902	MF	296.61261	1.18217	350.64648		Reb D
2.144	MF	344.15613	1.38478	476.57946		Reb M
3.991	MM +	57.97731	1.00040	58.00030		Reb A

HPLC 8 9/17/2014 12:33:11 PM

Page 1 of 2

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH7_25C_W3_1.D
Sample Name: RM50


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.191		-	-	-		Stev
5.056		-	-	-		Reb F
5.528		-	-	-		Reb C
5.966		-	-	-		Dul A
7.641	MM	7.38160	1.00040	4.90849		Rub
10.744	MM	3.35796	1.00040	2.79493		Reb B
11.346		-	-	-		Sbio

Totals : 892.92966

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

=====
*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH8_W0_1.D
Sample Name: RM50

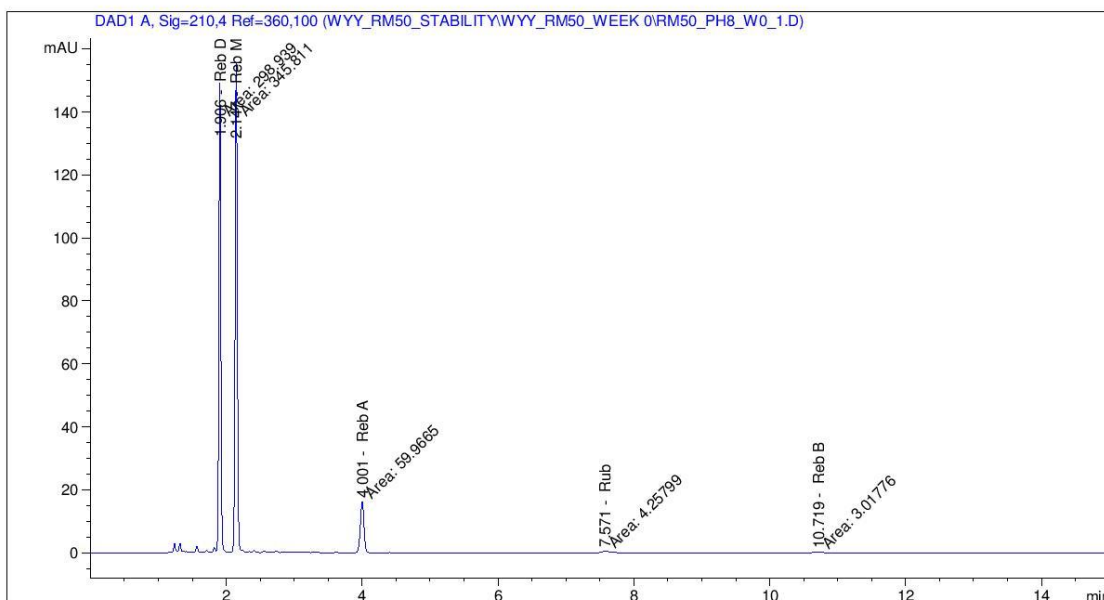
```

=====
Acq. Operator   :                               Seq. Line :   30
Acq. Instrument : HPLC 8                       Location  : Vial 17
Injection Date  : 8/26/2014 2:53:49 AM          Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 8/25/2014 5:05:39 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\WYY_RM50_W0.M
Last changed    : 9/17/2014 12:20:36 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info      : RM50, PT240714, pH8, 899.1346 mg/L
=====

```



External Standard Report


```

=====
Sorted By      : Signal
Calib. Data Modified : 8/26/2014 9:11:49 AM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.906	MF	298.93936	1.16033	346.86707		Reb D
2.147	MF	345.81146	1.35186	467.48886		Reb M
4.001	MM +	59.96650	9.73794e-1	58.39502		Reb A

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 0\RM50_PH8_W0_1.D
Sample Name: RM50


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.202		-	-	-		Stev
5.070		-	-	-		Reb F
5.544		-	-	-		Reb C
5.987		-	-	-		Dul A
7.571	MM	4.25799	9.73794e-1	2.75611		Rub
10.719	MM	3.01776	9.73794e-1	2.44498		Reb B
11.378		-	-	-		Sbio

Totals : 877.95203

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

 PureCircle	PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
			Revision date: --/--/--
pH Stability of Rebaudioside M 50%			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH8_25C_W3_1.D

Sample Name: RM50

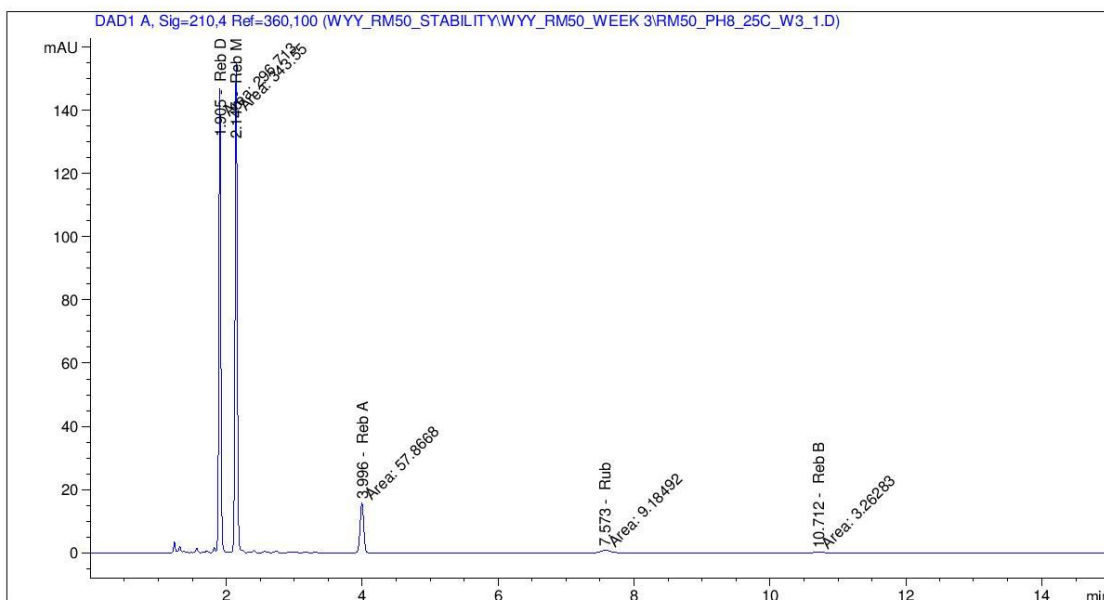
```

=====
Acq. Operator   :                               Seq. Line :   47
Acq. Instrument : HPLC 8                       Location  : Vial 27
Injection Date  : 9/16/2014 5:42:37 AM          Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\WYY_C18.M
Last changed    : 9/15/2014 9:46:43 AM
Analysis Method : C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\WYY_RM50_W03.M
Last changed    : 9/17/2014 12:28:05 PM
                  (modified after loading)
Method Info     : C18 column

Sample Info      : RM50, PT240714, pH8, 899.1346 mg/L, 25C, Week 3
=====

```



External Standard Report

```

=====
Sorted By      : Signal
Calib. Data Modified : 9/15/2014 4:39:42 PM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====


```

Signal 1: DAD1 A, Sig=210,4 Ref=360,100

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
1.905	MF	296.71301	1.18217	350.76517		Reb D
2.145	MF	343.55029	1.38478	475.74051		Reb M
3.996	MM +	57.86676	1.00040	57.88971		Reb A

HPLC 8 9/17/2014 12:34:09 PM

Page 1 of 2

 PureCircle PureCircle Sdn Bhd	Report # RM50%_pH_W3	Issue date: 17/09/2014
		Revision date: --/--/--
pH Stability of Rebaudioside M 50%		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_RM50_STABILITY\WYY_RM50_WEEK 3\RM50_PH8_25C_W3_1.D

Sample Name: RM50

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
4.195		-	-	-		Stev
5.062		-	-	-		Reb F
5.534		-	-	-		Reb C
5.973		-	-	-		Dul A
7.573	MM	9.18492	1.00040	6.10764		Rub
10.712	MM	3.26283	1.00040	2.71575		Reb B
11.359		-	-	-		Sbio

Totals : 893.21879

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

Warning : Calibrated compound(s) not found

=====
 *** End of Report ***