 PureCircle Sdn Bhd pH Stability of Rebaudioside X	Report # RX_pH_W24	Issue date: 19/09/2012
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pH stability of Rebaudioide X

Prepared by:



(Scientist)

19/09/12

Date


Approved by:



(Vice President of R&D and Process Development)

19/09/12

Date

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Objective


To determine pH stability of *Rebaudioside X* produced by *PureCircle*.

Samples

One sample representing commercial lots of *Rebaudioside X* labeled as “PT090212a”.

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 X standard (PureCircle Sdn. Bhd., Malaysia, Lot# PT031011), 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);
- *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. *Phenomex*® *Kinetex*™ 2.6µm C18 100 Å, LC Column 150 x 4.6 mm (PN 00F-4462-E0);
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 at approx 500 mg/L in 0.1M phosphate buffer.

Sample solution storage

Each pH level was stored at 3 different temperatures conditions such as 5°C, 25°C, and 40°C in sealed amber glass vials.

Analysis

Analysis and calculations were performed as per JECFA2010 monograph method.


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The assay results are summarized in Table 1-3.

Table 1

Rebaudioside X and related steviol glycosides assay at 5°C


Total Steviol Glycosides, ppm*							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	453.17	467.91	461.32	480.65	473.70	446.55	462.61
2 weeks	450.58	450.40	453.63	464.47	468.08	448.08	449.54
4 weeks	440.02	459.70	453.97	464.75	451.72	445.62	454.26
6 weeks	436.55	461.78	459.76	469.47	460.12	443.10	452.62
7 weeks	461.18	481.87	479.53	493.02	483.45	469.63	481.52
9 weeks	459.61	480.76	478.74	489.39	482.38	471.68	483.68
10 weeks	447.79	470.36	470.42	481.49	477.89	466.81	473.42
12 weeks	452.57	480.93	477.13	485.46	481.36	469.85	480.27
14 weeks	444.51	472.12	467.16	479.34	472.40	467.41	467.07
16 weeks	448.11	474.46	474.02	486.13	480.13	471.72	482.74
18 weeks	442.39	473.12	470.36	481.85	478.07	468.06	469.00
20 weeks	442.77	473.42	472.23	484.80	476.98	469.00	479.84
22 weeks	438.50	472.82	473.46	484.75	478.58	470.81	479.21
24 weeks	437.27	469.64	468.61	482.61	474.23	467.28	474.94
Rebaudioside X, ppm							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	437.46	448.47	446.88	458.74	455.61	434.65	452.64
2 weeks	432.27	440.82	439.19	455.21	448.77	440.14	442.28
4 weeks	427.23	446.55	441.07	451.75	444.47	438.11	446.97
6 weeks	423.36	442.01	440.08	450.78	445.12	435.28	445.07
7 weeks	450.03	469.27	467.17	476.90	470.52	461.60	473.85
9 weeks	445.55	467.41	465.37	477.54	471.07	463.75	473.57
10 weeks	436.50	459.01	457.81	468.54	463.82	455.08	465.26
12 weeks	441.24	466.82	464.16	473.84	468.96	461.69	472.31
14 weeks	436.25	464.40	459.93	471.89	464.65	459.06	459.36
16 weeks	439.67	466.84	466.48	477.77	471.67	462.95	474.13
18 weeks	433.66	464.94	461.99	473.66	469.65	459.94	460.65
20 weeks	433.75	464.98	463.50	476.00	468.06	459.52	470.73
22 weeks	429.21	464.75	465.35	476.33	470.42	462.69	470.77
24 weeks	428.38	461.26	460.57	474.49	465.97	459.04	466.70

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Rebaudioside D, ppm							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	5.38	5.29	5.41	5.62	5.58	4.92	5.35
2 weeks	5.11	5.18	5.39	5.77	5.68	5.45	5.00
4 weeks	5.30	5.73	5.68	5.69	5.54	5.86	5.61
6 weeks	5.17	5.42	5.38	5.49	5.71	5.97	5.31
7 weeks	5.34	5.58	5.60	5.67	5.70	5.95	5.68
9 weeks	5.38	5.60	5.56	5.78	5.66	5.88	7.86
10 weeks	5.28	5.58	5.56	5.72	5.72	5.10	5.48
12 weeks	5.40	5.68	5.69	5.76	5.75	4.74	5.53
14 weeks	5.43	5.79	5.68	5.68	5.72	5.59	5.56
16 weeks	5.48	5.81	5.76	5.93	5.78	5.29	5.69
18 weeks	5.31	5.85	5.65	5.85	5.84	5.42	5.74
20 weeks	5.46	5.89	5.94	5.94	5.94	5.60	5.87
22 weeks	5.50	5.71	5.69	5.76	5.68	5.57	5.54
24 weeks	5.08	5.72	5.68	5.81	5.66	5.60	5.55

Rebaudioside A, ppm							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	9.00	13.06	7.80	15.07	11.03	5.41	3.18
2 weeks	12.04	3.31	8.06	2.21	12.19	0.75	0.67
4 weeks	6.13	6.13	6.06	6.06	0.40	0.04	0.03
6 weeks	6.66	13.10	12.97	11.91	7.99	0.19	0.50
7 weeks	3.71	5.25	5.14	8.92	5.41	0.17	0.00
9 weeks	6.24	5.94	6.15	4.22	3.70	0.12	0.28
10 weeks	3.61	4.10	5.32	5.61	6.56	4.83	0.83
12 weeks	3.56	6.93	5.70	4.17	4.88	1.62	0.48
14 weeks	0.34	0.22	0.09	0.12	0.38	1.07	0.42
16 weeks	0.39	0.05	0.15	0.04	0.15	0.95	0.42
18 weeks	0.01	0.01	0.01	0.02	0.03	0.01	0.01
20 weeks	0.22	0.25	0.63	0.39	0.45	0.85	0.55
22 weeks	0.30	0.28	0.19	0.26	0.17	0.16	0.19
24 weeks	0.29	0.34	0.31	0.18	0.28	0.24	0.26

Rebaudioside B, ppm							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	1.34	1.09	1.23	1.21	1.47	1.57	1.43
2 weeks	1.08	1.04	0.98	1.16	1.35	1.64	1.60
4 weeks	1.29	1.22	1.09	1.18	1.22	1.55	1.59
6 weeks	1.29	1.13	1.22	1.18	1.21	1.53	1.72
7 weeks	2.02	1.69	1.55	1.43	1.71	1.82	1.89

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9 weeks	2.30	1.65	1.52	1.65	1.81	1.75	1.82
10 weeks	2.27	1.52	1.57	1.47	1.62	1.66	1.70
12 weeks	2.25	1.35	1.45	1.54	1.65	1.66	1.81
14 weeks	2.42	1.68	1.46	1.57	1.60	1.62	1.63
16 weeks	2.45	1.60	1.52	1.55	1.72	1.81	1.84
18 weeks	2.63	1.62	1.44	1.65	1.89	1.86	1.95
20 weeks	2.78	1.50	1.28	1.51	1.60	1.80	1.93
22 weeks	2.70	1.38	1.45	1.45	1.72	1.74	1.88
24 weeks	2.80	1.59	1.47	1.55	1.65	1.80	1.91



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Table 2

Rebaudioside X and related steviol glycosides assay at 25°C

Total Steviol Glycosides, ppm*							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	453.17	467.91	461.32	480.65	473.70	446.55	462.61
2 weeks	428.56	460.72	455.81	472.17	462.09	450.75	459.25
4 weeks	394.92	454.14	455.00	463.49	460.03	447.75	446.52
6 weeks	384.32	454.80	453.30	459.37	463.81	434.18	452.04
7 weeks	386.44	472.30	477.53	486.02	485.60	472.80	481.07
9 weeks	366.73	469.17	477.09	488.71	483.51	462.31	482.10
10 weeks	350.17	457.69	465.23	477.66	473.21	465.46	474.47
12 weeks	343.78	464.16	474.16	485.39	481.33	469.01	480.33
14 weeks	319.67	456.40	468.20	479.72	473.90	466.88	474.84
16 weeks	311.00	456.00	470.28	484.58	478.56	472.79	467.93
18 weeks	302.49	453.68	469.25	480.23	477.44	457.63	477.04
20 weeks	291.79	454.57	468.91	482.16	478.03	469.99	468.07
22 weeks	284.42	455.63	473.38	484.38	479.48	470.90	470.81
24 weeks	269.65	449.44	468.47	478.49	475.66	458.98	464.24
Rebaudioside X, ppm							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	437.46	448.47	446.88	458.74	455.61	434.65	452.64
2 weeks	414.55	445.92	446.40	457.71	451.23	443.48	451.86
4 weeks	383.41	440.23	440.52	453.07	451.91	440.30	438.39
6 weeks	363.40	435.35	439.59	451.03	449.14	426.37	444.42
7 weeks	372.40	461.55	466.66	477.19	475.63	464.60	473.25
9 weeks	351.21	458.49	465.59	476.25	472.62	454.40	472.39
10 weeks	335.28	446.78	455.98	468.66	463.92	455.69	466.21
12 weeks	327.07	453.42	464.97	475.22	469.88	461.91	472.35
14 weeks	305.12	447.58	460.32	471.89	466.16	458.85	466.42
16 weeks	295.02	447.51	462.59	476.04	469.50	464.36	459.27
18 weeks	285.90	444.46	460.81	471.21	468.15	449.38	468.09
20 weeks	275.64	444.65	460.20	473.08	469.05	461.27	459.16
22 weeks	267.56	445.57	464.81	475.65	470.77	462.11	462.54
24 weeks	252.92	439.73	459.93	469.80	467.40	450.27	455.91
Rebaudioside D, ppm							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	5.38	5.29	5.41	5.62	5.58	4.92	5.35
2 weeks	5.27	5.54	5.61	5.85	5.81	5.24	5.32
4 weeks	4.77	5.60	5.62	5.85	5.57	5.61	5.47

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6 weeks	4.24	5.36	5.35	5.48	5.80	5.75	5.41
7 weeks	4.25	5.48	5.57	5.77	5.65	6.16	5.62
9 weeks	3.98	5.49	5.58	5.75	5.73	5.70	7.42
10 weeks	3.77	5.35	5.58	5.70	5.72	5.11	5.54
12 weeks	3.62	5.42	5.57	5.76	5.77	4.60	5.48
14 weeks	3.49	5.45	5.91	5.81	5.78	5.49	5.71
16 weeks	3.41	5.46	5.73	5.90	5.75	5.59	5.47
18 weeks	3.17	5.37	5.68	5.83	5.86	5.14	5.82
20 weeks	3.26	5.65	5.81	5.93	5.94	5.56	5.70
22 weeks	2.93	5.46	5.67	5.84	5.69	5.71	5.45
24 weeks	2.74	5.31	5.60	5.68	5.65	5.65	5.41

Rebaudioside A, ppm

	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	9.00	13.06	7.80	15.07	11.03	5.41	3.18
2 weeks	6.27	7.91	2.63	7.24	3.79	0.45	0.25
4 weeks	3.39	6.79	7.56	3.19	1.22	0.05	0.83
6 weeks	11.08	12.45	7.05	1.53	7.34	0.38	0.45
7 weeks	2.63	2.75	3.46	1.19	2.38	0.05	0.03
9 weeks	3.10	2.49	4.03	4.90	3.09	0.08	0.13
10 weeks	2.42	2.90	1.71	1.46	1.61	2.46	0.63
12 weeks	3.42	2.37	1.63	2.53	3.87	0.51	0.40
14 weeks	0.12	0.23	0.16	0.15	0.18	0.37	0.60
16 weeks	0.16	0.03	0.22	0.04	0.17	0.13	0.21
18 weeks	0.02	0.01	0.01	0.01	0.03	0.01	0.01
20 weeks	0.34	0.30	0.49	0.46	0.41	0.29	0.52
22 weeks	0.06	0.22	0.11	0.23	0.23	0.15	0.15
24 weeks	0.18	0.25	0.33	0.17	0.03	0.43	0.12

Rebaudioside B, ppm

	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	1.34	1.09	1.23	1.21	1.47	1.57	1.43
2 weeks	2.36	1.26	1.08	1.27	1.19	1.50	1.73
4 weeks	3.28	1.41	1.23	1.27	1.25	1.73	1.72
6 weeks	4.87	1.52	1.18	1.23	1.41	1.57	1.75
7 weeks	7.12	2.47	1.76	1.83	1.82	1.91	2.10
9 weeks	8.37	2.48	1.72	1.62	1.91	1.99	2.06
10 weeks	8.60	2.49	1.80	1.66	1.79	2.02	1.94
12 weeks	9.60	2.79	1.81	1.73	1.77	1.86	1.97
14 weeks	10.86	3.12	1.79	1.87	1.77	2.01	1.95
16 weeks	11.31	2.87	1.65	1.75	1.93	2.08	2.16

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18 weeks	12.34	3.36	1.97	1.98	2.03	2.16	2.29
20 weeks	11.85	3.35	1.85	1.84	2.02	2.24	2.20
22 weeks	12.84	3.44	1.93	2.01	2.08	2.22	2.08
24 weeks	12.82	3.53	1.99	1.79	2.03	2.21	2.18



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Table 3


Rebaudioside X and related steviol glycosides assay at 40°C

Total Steviol Glycosides, ppm*							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	453.17	467.91	461.32	480.65	473.70	446.55	462.61
2 weeks	371.11	444.11	462.92	477.56	470.91	452.80	460.65
4 weeks	279.87	434.61	451.88	468.27	458.21	438.72	456.80
6 weeks	213.67	420.12	458.30	460.76	462.84	446.99	455.60
7 weeks	171.93	424.67	472.13	486.50	484.71	462.23	479.89
9 weeks	124.86	407.99	468.88	485.89	485.15	462.14	469.20
10 weeks	103.68	392.00	458.56	475.96	474.54	454.68	468.59
12 weeks	83.20	385.78	464.82	482.97	480.91	469.09	468.43
14 weeks	61.04	366.71	457.84	476.52	476.49	466.14	465.81
16 weeks	50.00	358.17	461.89	482.29	481.86	473.37	481.04
18 weeks	39.65	343.41	457.02	478.10	476.93	466.29	474.85
20 weeks	34.13	332.70	455.56	480.72	480.44	469.95	477.70
22 weeks	30.31	321.56	456.76	481.84	482.66	462.35	469.35
24 weeks	30.59	314.55	451.90	476.76	478.22	465.73	463.85
Rebaudioside X, ppm							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	437.46	448.47	446.88	458.74	455.61	434.65	452.64
2 weeks	357.83	429.33	442.58	457.54	454.85	445.06	453.23
4 weeks	258.85	423.70	441.62	453.04	450.42	430.85	448.38
6 weeks	172.11	396.68	437.33	451.03	447.14	438.26	445.98
7 weeks	149.73	411.61	461.81	476.93	475.09	453.64	471.30
9 weeks	102.34	393.20	458.18	474.66	474.73	453.10	460.36
10 weeks	83.04	377.13	448.66	466.53	464.74	444.89	459.38
12 weeks	62.36	370.65	453.58	472.30	470.40	460.46	459.21
14 weeks	43.12	351.04	447.84	466.72	466.10	456.37	455.36
16 weeks	32.67	341.43	450.42	471.63	471.22	462.46	470.03
18 weeks	24.78	324.69	444.90	467.34	465.62	455.47	462.99
20 weeks	19.55	312.42	442.64	468.29	468.51	457.11	465.33
22 weeks	16.35	302.19	444.65	469.85	470.68	450.25	457.84
24 weeks	14.75	294.44	440.01	465.23	466.54	453.46	452.04
Rebaudioside D, ppm							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	5.38	5.29	5.41	5.62	5.58	4.92	5.35
2 weeks	4.13	5.01	5.85	5.70	5.83	5.33	5.44
4 weeks	2.84	5.32	5.57	5.86	5.58	5.76	5.69

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6 weeks	1.83	4.76	5.26	5.47	5.62	6.07	5.64
7 weeks	1.64	4.77	5.53	5.67	5.61	5.85	5.63
9 weeks	0.97	4.56	5.49	5.63	5.74	5.75	5.40
10 weeks	0.71	4.40	5.39	5.68	5.74	4.85	5.46
12 weeks	0.55	4.24	5.44	5.80	6.00	4.57	5.28
14 weeks	0.46	4.16	5.51	5.76	5.77	5.50	5.46
16 weeks	0.38	4.00	5.61	5.78	5.79	5.59	5.65
18 weeks	0.19	3.65	5.39	5.73	6.12	5.35	5.63
20 weeks	0.27	3.73	5.47	5.87	5.94	5.60	5.71
22 weeks	0.23	3.46	5.25	5.62	5.70	5.34	5.36
24 weeks	0.15	3.32	5.26	5.66	5.64	5.58	5.30
Rebaudioside A, ppm							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	9.00	13.06	7.80	15.07	11.03	5.41	3.18
2 weeks	3.34	8.17	13.09	12.90	8.71	0.57	0.23
4 weeks	3.49	2.87	3.06	7.82	0.40	0.03	0.70
6 weeks	12.87	14.12	13.74	2.42	7.98	0.18	1.37
7 weeks	1.51	2.18	1.99	1.20	1.22	0.02	0.03
9 weeks	2.43	2.44	1.74	2.53	1.36	0.04	0.13
10 weeks	0.85	2.19	0.95	0.69	0.78	1.57	0.21
12 weeks	2.60	1.29	1.82	1.29	0.81	0.23	0.17
14 weeks	1.61	0.10	0.12	0.17	0.52	0.40	0.23
16 weeks	2.33	0.08	0.20	0.25	0.11	0.14	0.30
18 weeks	2.38	0.03	0.04	0.02	0.09	0.02	0.01
20 weeks	2.86	0.32	0.32	0.73	0.73	0.72	0.49
22 weeks	2.96	0.11	0.18	0.23	0.18	0.01	0.23
24 weeks	3.43	0.16	0.03	0.14	0.04	0.29	0.10
Rebaudioside B, ppm							
	pH 2.0	pH 3.0	pH 4.0	pH 5.0	pH 6.0	pH 7.0	pH 8.0
t=0	1.34	1.09	1.23	1.21	1.47	1.57	1.43
2 weeks	5.08	1.56	1.31	1.31	1.49	1.76	1.61
4 weeks	10.28	2.63	1.55	1.49	1.71	2.02	1.98
6 weeks	13.95	4.23	1.81	1.69	2.00	2.37	2.48
7 weeks	18.72	6.00	2.74	2.63	2.69	2.61	2.81
9 weeks	18.05	7.64	3.28	2.89	3.12	3.09	3.15
10 weeks	17.54	8.16	3.40	2.90	3.12	3.20	3.39
12 weeks	16.30	9.46	3.82	3.41	3.56	3.70	3.62
14 weeks	14.40	10.90	4.36	3.74	3.74	3.81	4.04
16 weeks	13.22	11.70	4.68	4.11	4.34	4.65	4.72

 PureCircle PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
		Revision No: 00

pH Stability of Rebaudioside X

18 weeks	11.20	13.35	5.34	4.63	4.65	4.95	5.13
20 weeks	10.44	13.96	5.56	4.84	4.98	5.33	5.53
22 weeks	9.99	14.90	6.17	5.24	5.54	5.53	5.68
24 weeks	9.18	15.59	6.24	5.23	5.57	5.77	5.86

* Average of 2 duplicates is reported.

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

Stev – Stevioside

DulA – Dulcoside A


Rub – Rubusoside

Sbio – Steviolbioside

ND – Not detected


Reference

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

 PureCircle PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
pH Stability of Rebaudioside X		Revision No: 00

APPENDIX A

Sample Chromatograms

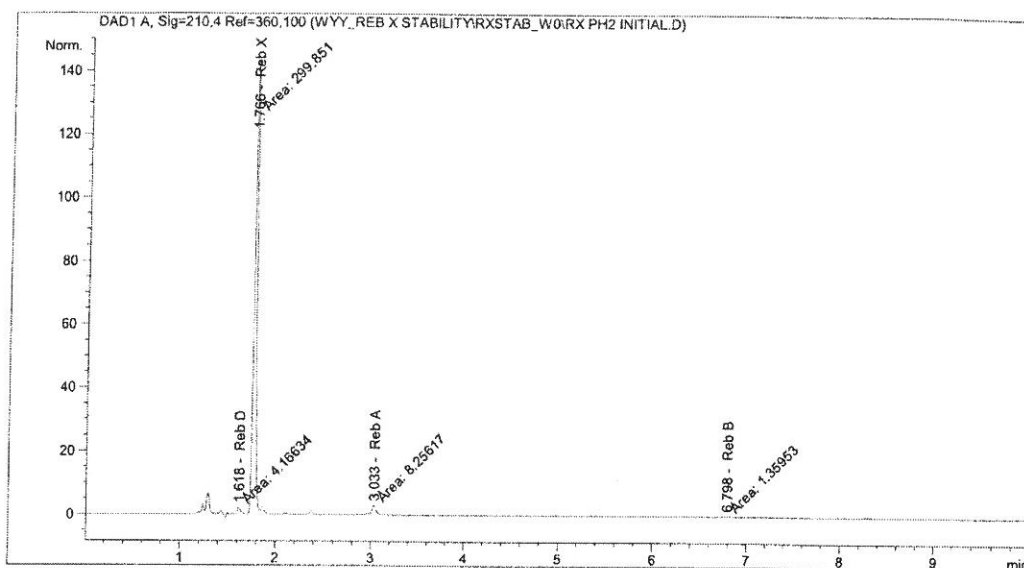
 PureCircle PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
pH Stability of Rebaudioside X		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH2 INITIAL.D
 Sample Name: RX pH2

```

=====
Acq. Operator   :                               Seq. Line :    8
Acq. Instrument : Instrument 1                   Location  : Vial 11
Injection Date  : 3/8/2012 5:32:13 PM           Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 3/7/2012 4:22:38 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX_C18_W0.M
Last changed    : 9/14/2012 10:34:09 AM
                  (modified after loading)
Sample Info     : Reb X, pH 2.17, Initial
                  453.4040 mg/L
  
```



External Standard Report

```


=====
Sorted By      :      Signal
Calib. Data Modified : 5/11/2012 2:14:52 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
1.618	MF	4.16634	1.46014	5.32422		Reb D
1.766	MF +	299.85065	1.46014	437.82365		Reb X
3.033	FM	8.25617	1.46014	9.03655		Reb A
3.111		-	-	-		Stev

Instrument 1 9/14/2012 10:34:31 AM

Page 1 of 2

 PureCircle PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
pH Stability of Rebaudioside X		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH2 INITIAL.D
Sample Name: RX pH2


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.612	-	-	-	-	-	Reb C
3.913	-	-	-	-	-	Reb F
4.214	-	-	-	-	-	Dul A
5.318	-	-	-	-	-	Rub
6.798 MM	-	1.35953	1.46014	1.23851	-	Reb B
7.325	-	-	-	-	-	SBio

Totals : 453.42292

2 Warnings or Errors :

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

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

 PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
	Revision No: 00	

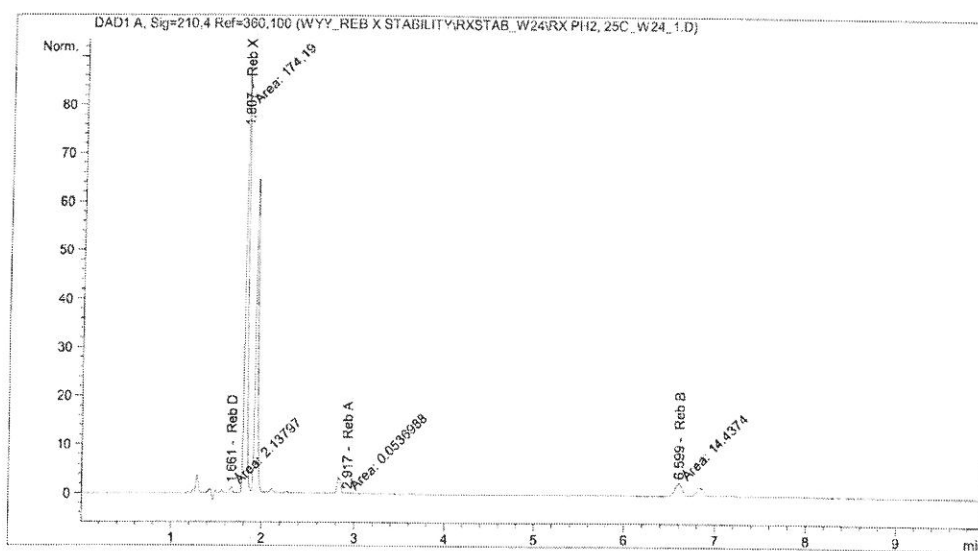
Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX PH2, 25C_W24_1.D
Sample Name: RX pH2, 25C

```

=====
Acq. Operator   :                               Seq. Line :   12
Acq. Instrument : Instrument 1                  Location  : Vial 21
Injection Date  : 8/23/2012 5:54:04 PM          Inj       :    1
                                           Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 8/23/2012 3:31:08 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX_C18_W24.M
Last changed    : 9/19/2012 3:08:39 PM
                  (modified after loading)
Sample Info     : Reb X, pH 2.17, 25C, Week 24
                  453.4040 mg/L
=====

```



External Standard Report


```

=====
Sorted By      : Signal
Calib. Data Modified : 8/24/2012 8:52:45 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
1.661	MM	2.13797	1.45356	2.71983		Reb D
1.807	MF +	174.18980	1.45356	253.19475		Reb X
2.917	MM	5.36988e-2	1.45356	5.85094e-2		Reb A
3.081		-	-	-		Stev

 PureCircle PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
pH Stability of Rebaudioside X		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX PH2, 25C_W24_1.D
Sample Name: RX pH2, 25C


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.559	-	-	-	-	-	Reb F
3.798	-	-	-	-	-	Reb C
4.103	-	-	-	-	-	Dul A
5.090	-	-	-	-	-	Rub
6.599 MF		14.43738	1.45356	13.09289		Reb B
7.137	-	-	-	-	-	SBio

Totals : 269.06597

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 # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
pH Stability of Rebaudioside X		Revision No: 00

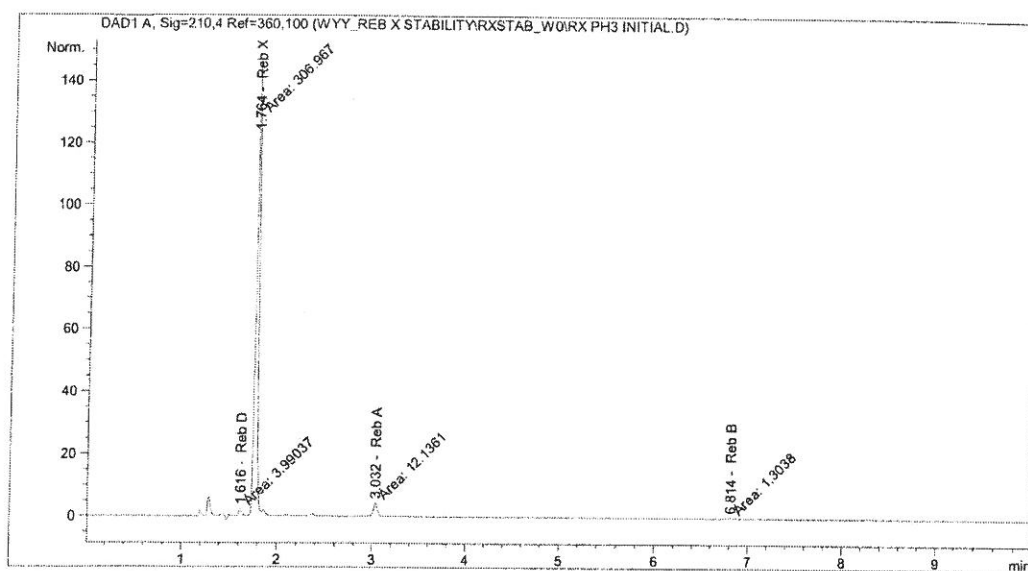
Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH3 INITIAL.D
Sample Name: RX pH3

```

=====
Acq. Operator   :                               Seq. Line :    9
Acq. Instrument : Instrument 1                 Location  : Vial 12
Injection Date  : 3/8/2012 5:44:03 PM          Inj       :    1
                                           Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 3/7/2012 4:22:38 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX_C18_W0.M
Last changed    : 9/14/2012 10:34:09 AM
                (modified after loading)
Sample Info     : Reb X, pH 3.07, Initial
                470.5049 mg/L
=====

```



External Standard Report

```

=====
Sorted By      :      Signal
Calib. Data Modified : 5/11/2012 2:14:52 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
1.616	MF	3.99037	1.46014	5.09934		Reb D
1.764	MF +	306.96671	1.46014	448.21409		Reb X
3.032	FM	12.13606	1.46014	13.28316		Reb A
3.107		-	-	-		Stev

Instrument 1 9/14/2012 10:35:39 AM

Page 1 of 2

 PureCircle PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
pH Stability of Rebaudioside X		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH3 INITIAL.D
Sample Name: RX pH3


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.608	-	-	-	-	-	Reb C
3.909	-	-	-	-	-	Reb F
4.209	-	-	-	-	-	Dul A
5.312	-	-	-	-	-	Rub
6.814 MM		1.30380	1.46014	1.18773		Reb B
7.316	-	-	-	-	-	SBio

Totals : 467.78432

2 Warnings or Errors :

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

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

 PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
	pH Stability of Rebaudioside X	Revision No: 00

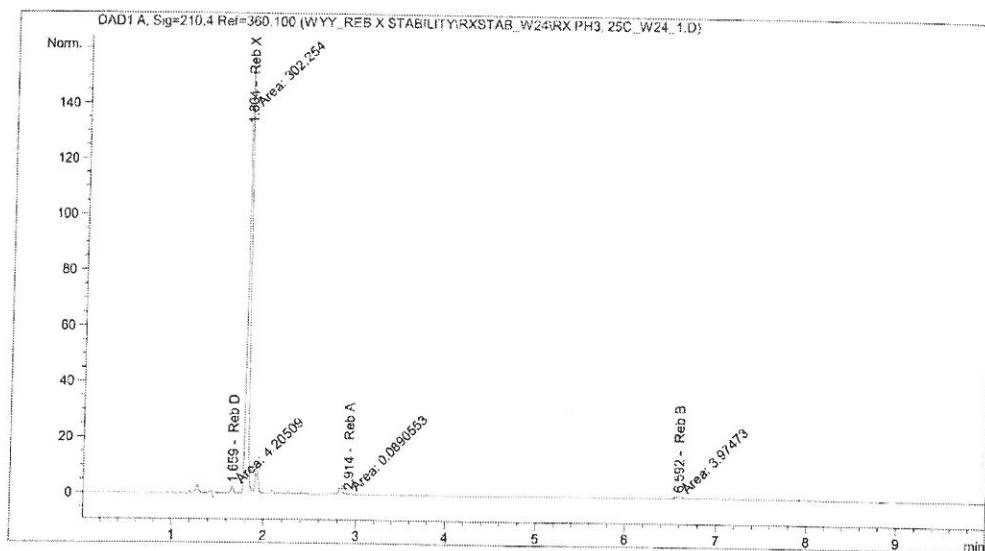
Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX PH3, 25C_W24_1.D
Sample Name: RX pH3, 25C

```

=====
Acq. Operator   :                               Seq. Line :   15
Acq. Instrument : Instrument 1                  Location  : Vial 22
Injection Date  : 8/23/2012 7:05:12 PM          Inj       :    1
                                           Inj Volume:   5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 8/23/2012 3:31:08 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX_C18_W24.M
Last changed    : 9/19/2012 3:08:39 PM
                  (modified after loading)
Sample Info     : Reb X, pH 3.07, 25C, Week 24
                  470.5049 mg/L
=====

```



External Standard Report

```

=====
Sorted By      :      Signal
Calib. Data Modified : 8/24/2012 8:52:45 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
1.659	MM	4.20509	1.45355	5.34952		Reb D
1.804	MF	302.25375	1.45356	439.34296		Reb X
2.914	MM	8.90553e-2	1.45356	9.70334e-2		Reb A
3.076		-	-	-		Stev

strument 1 9/19/2012 3:09:43 PM

Page 1 of 2

 PureCircle	PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
			Revision date: --/--/--
pH Stability of Rebaudioside X			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX PH3, 25C_W24_1.D
Sample Name: RX pH3, 25C

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.553	-	-	-	-	-	-
3.792	-	-	-	-	-	Reb F
4.097	-	-	-	-	-	Reb C
5.082	-	-	-	-	-	Dul A
6.592	MM	3.97473	1.45356	3.60458	-	Rub
7.125	-	-	-	-	-	Reb B
						SBio


Totals : 448.39409

2 Warnings or Errors :

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

=====

*** End of Report ***

 PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
	pH Stability of Rebaudioside X	Revision No: 00

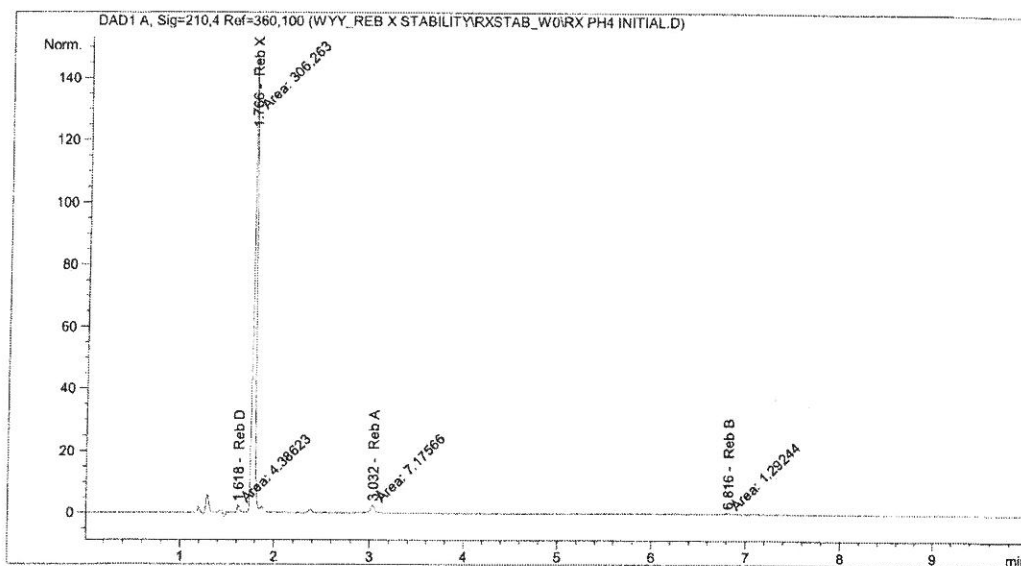
Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH4 INITIAL.D
Sample Name: RX pH4

```

=====
Acq. Operator   :                               Seq. Line :   10
Acq. Instrument : Instrument 1                  Location  : Vial 13
Injection Date  : 3/8/2012 5:55:56 PM          Inj       :    1
                                           Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 3/7/2012 4:22:38 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX_C18_W0.M
Last changed    : 9/14/2012 10:34:09 AM
                  (modified after loading)
Sample Info     : Reb X, pH 4.08, Initial
                  470.2108 mg/L
=====

```



External Standard Report

```

=====
Sorted By      :      Signal
Calib. Data Modified : 5/11/2012 2:14:52 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
1.618	MF	4.38623	1.46014	5.60523		Reb D
1.766	MF +	306.26346	1.46014	447.18725		Reb X
3.032	FM	7.17566	1.46014	7.85391		Reb A
3.110		-	-	-		Stev

Instrument 1 9/14/2012 10:37:06 AM

Page 1 of 2

 PureCircle Sdn Bhd pH Stability of Rebaudioside X	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
	Revision No: 00	

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH4 INITIAL.D
Sample Name: RX pH4


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.612	-	-	-	-	-	Reb C
3.913	-	-	-	-	-	Reb F
4.214	-	-	-	-	-	Dul A
5.317	-	-	-	-	-	Rub
6.816	MM	1.29244	1.46014	1.17739	-	Reb B
7.324	-	-	-	-	-	SBio

Totals : 461.82377

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 # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
pH Stability of Rebaudioside X		Revision No: 00

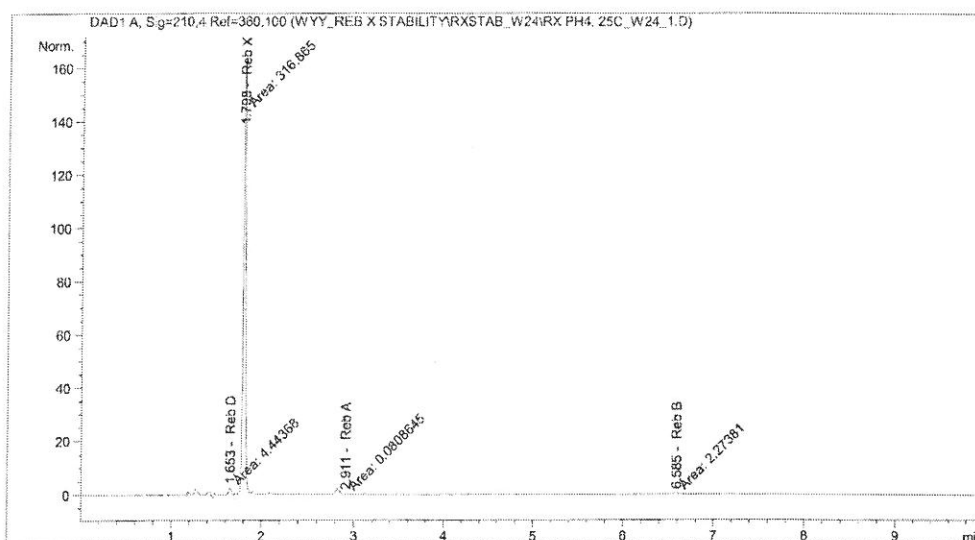
Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX PH4, 25C_W24_1.D
Sample Name: RX pH4, 25C

```

=====
Acq. Operator   :                               Seq. Line :   18
Acq. Instrument : Instrument 1                  Location  : Vial 23
Injection Date  : 8/23/2012 8:16:16 PM          Inj       :    1
                                           Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 8/23/2012 3:31:08 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX_C18_W24.M
Last changed    : 9/19/2012 3:08:39 PM
                  (modified after loading)
Sample Info     : Reb X, pH 4.08, 25C_Week 24
                  470.2108 mg/L
=====

```



External Standard Report

```

=====
Sorted By      :      Signal
Calib. Data Modified : 8/24/2012 8:52:45 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
1.653	MM	4.44368	1.45356	5.65304		Reb D
1.798	MF +	316.86487	1.45356	460.58104		Reb X
2.911	MM	8.08645e-2	1.45356	8.81088e-2		Reb A
3.066		-	-	-		Stev

Instrument 1 9/19/2012 3:10:47 PM

Page 1 of 2

 PureCircle	PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
			Revision date: --/--/--
pH Stability of Rebaudioside X			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX PH4, 25C_W24_1.D
 Sample Name: RX pH4, 25C


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.542	-	-	-	-	-	Reb F
3.779	-	-	-	-	-	Reb C
4.083	-	-	-	-	-	Dul A
5.066	-	-	-	-	-	Rub
6.585 MM	-	2.27381	1.45356	2.06205	-	Reb B
7.102	-	-	-	-	-	SBio

Totals : 468.38424

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 # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
pH Stability of Rebaudioside X		Revision No: 00

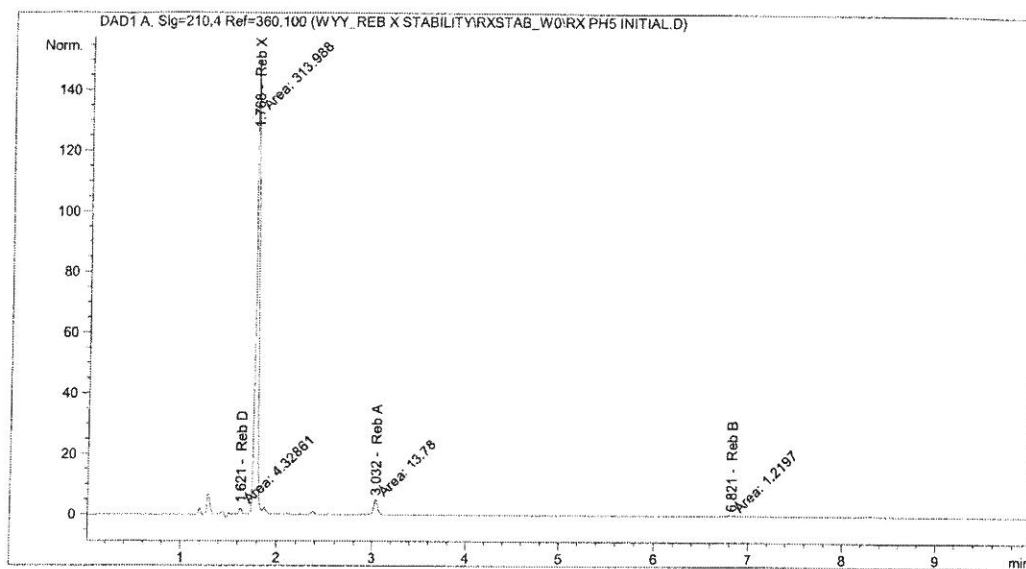
Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH5 INITIAL.D
Sample Name: RX pH5

```

=====
Acq. Operator   :                               Seq. Line :   11
Acq. Instrument : Instrument 1                   Location  : Vial 14
Injection Date  : 3/8/2012 6:07:48 PM           Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 3/7/2012 4:22:38 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX_C18_W0.M
Last changed    : 9/14/2012 10:34:09 AM
                (modified after loading)
Sample Info     : Reb X, pH 5.04, Initial
                477.9211 mg/L
=====

```



External Standard Report

```

=====
Sorted By      :      Signal
Calib. Data Modified : 5/11/2012 2:14:52 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
1.621	MF	4.32861	1.46014	5.53159		Reb D
1.768	MF +	313.98834	1.46014	458.46665		Reb X
3.032	FM	13.77999	1.46014	15.08248		Reb A
3.115		-	-	-		Stev

Instrument 1 9/14/2012 10:39:11 AM

Page 1 of 2

 PureCircle PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
	pH Stability of Rebaudioside X	Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH5 INITIAL.D
Sample Name: RX pH5


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.617	-	-	-	-	-	Reb C
3.919	-	-	-	-	-	Reb F
4.220	-	-	-	-	-	Dul A
5.325	-	-	-	-	-	Rub
6.821	MM	1.21970	1.46014	1.11112	-	Reb B
7.335	-	-	-	-	-	SBio

Totals : 480.19184

2 Warnings or Errors :

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

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

 PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
	pH Stability of Rebaudioside X	Revision No: 00

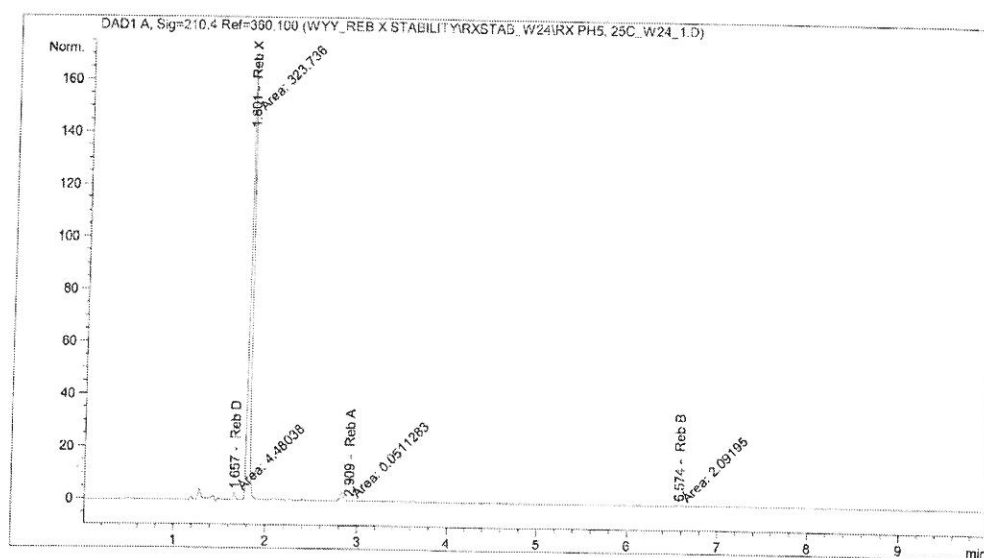
Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX PH5, 25C_W24_1.D
Sample Name: RX pH5, 25C

```

=====
Acq. Operator   :                               Seq. Line :   22
Acq. Instrument : Instrument 1                  Location  : Vial 24
Injection Date  : 8/23/2012 9:39:24 PM         Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 8/23/2012 3:31:08 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX_C18_W24.M
Last changed    : 9/19/2012 3:08:39 PM
                  (modified after loading)
Sample Info     : Reb X, pH 5.04, 25C_Week 24
                  477.9211 mg/L
=====

```



External Standard Report

```

=====
Sorted By      : Signal
Calib. Data Modified : 8/24/2012 8:52:45 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]	Ant/Area	Amount [mg/L]	Grp	Name
1.657	MF	4.48038	1.45356	5.69972	Reb D	
1.801	MF +	323.73621	1.45356	470.56892	Reb X	
2.909	MM	5.11283e-2	1.45356	5.57087e-2	Reb A	
3.071	-	-	-	-	Stev	

Instrument 1 9/19/2012 3:12:07 PM

Page 1 of 2

 PureCircle	PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
			Revision date: --/--/--
pH Stability of Rebaudioside X			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX PH5, 25C_W24_1.D
Sample Name: RX pH5, 25C


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.547	-	-	-	-	-	Reb F
3.785	-	-	-	-	-	Reb C
4.090	-	-	-	-	-	Dul A
5.074	-	-	-	-	-	Rub
6.574 MM		2.09195	1.45356	1.89713		Reb B
7.113	-	-	-	-	-	SBio

Totals : 478.22148

2 Warnings or Errors :

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

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

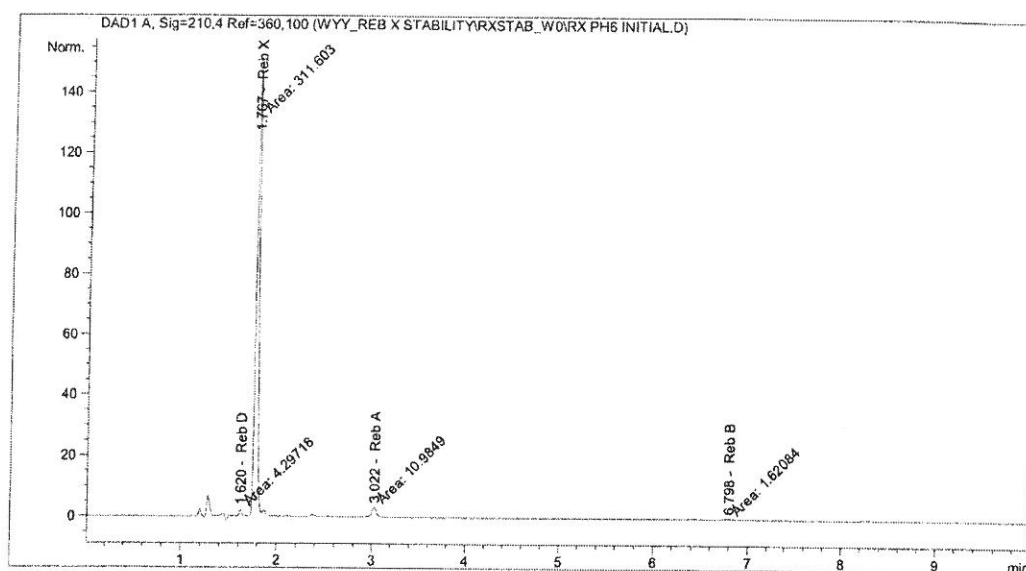
 PureCircle Sdn Bhd pH Stability of Rebaudioside X	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
	Revision No: 00	

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH6 INITIAL.D
 Sample Name: RX pH6

```

=====
Acq. Operator   :                               Seq. Line :   12
Acq. Instrument : Instrument 1                   Location  : Vial 15
Injection Date  : 3/8/2012 6:19:40 PM           Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 3/7/2012 4:22:38 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX_C18_W0.M
Last changed    : 9/14/2012 10:34:09 AM
                  (modified after loading)
Sample Info     : Reb X, pH 6.05, Initial
                  473.0008 mg/L
  
```



External Standard Report

```


=====
Sorted By      :      Signal
Calib. Data Modified : 5/11/2012 2:14:52 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
1.620	MF	4.29718	1.46014	5.49143		Reb D
1.767	MF +	311.60281	1.46014	454.98345		Reb X
3.022	FM	10.98486	1.46014	12.02315		Reb A
3.112		-	-	-		Stev

Instrument 1 9/14/2012 10:40:10 AM

Page 1 of 2

 PureCircle	PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
			Revision date: --/--/--
pH Stability of Rebaudioside X			Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH6 INITIAL.D
Sample Name: RX pH6


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.614	-	-	-	-	-	Reb C
3.915	-	-	-	-	-	Reb F
4.216	-	-	-	-	-	Dul A
5.321	-	-	-	-	-	Rub
6.798 MM		1.62084	1.46014	1.47655		Reb B
7.328	-	-	-	-	-	SBio

Totals : 473.97458

2 Warnings or Errors :

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

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

 PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
	pH Stability of Rebaudioside X	Revision No: 00

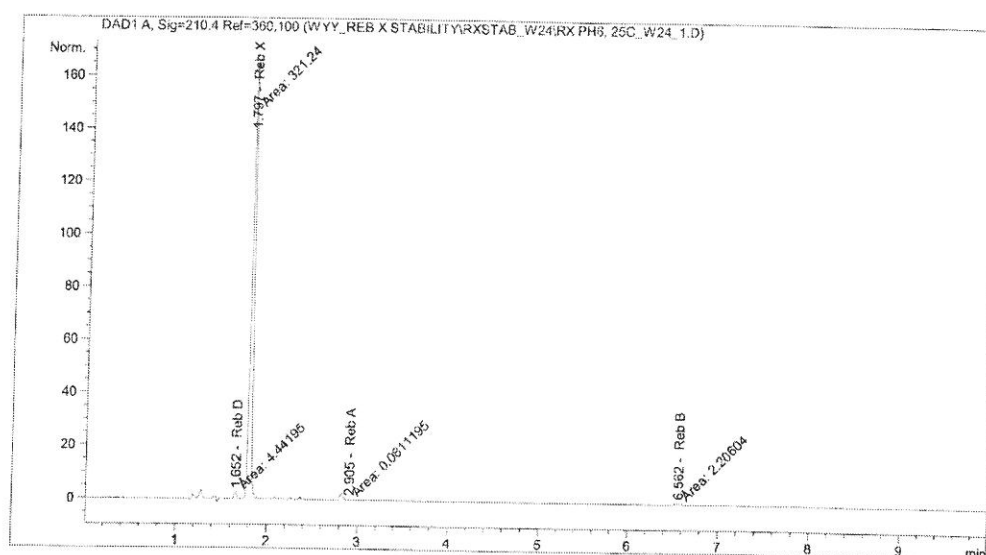
Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX PH6, 25C_W24_1.D
Sample Name: RX pH6, 25C

```

=====
Acq. Operator   :                               Seq. Line :   25
Acq. Instrument : Instrument 1                   Location  : Vial 25
Injection Date  : 8/23/2012 10:51:05 PM          Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 8/23/2012 3:31:08 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX_C18_W24.M
Last changed    : 9/19/2012 3:08:39 PM
                  (modified after loading)
Sample Info     : Reb X, pH 6.05, 25C_Week 24
                  473.0008 mg/L
=====

```



External Standard Report

```

=====
Sorted By      : Signal
Calib. Data Modified : 8/24/2012 8:52:45 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
1.652	MM	4.44195	1.45356	5.65084	Reb D	
1.797	FM	321.24023	1.45356	466.94088	Reb X	
2.905	MM	8.11195e-2	1.45356	8.83867e-2	Reb A	
3.064		-	-	-	Stev	

Instrument 1 9/19/2012 3:13:19 PM

Page 1 of 2

 PureCircle PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
pH Stability of Rebaudioside X		Revision No: 00

Data File C:\CHEM32\1\DATA\WVY_REB X STABILITY\RXSTAB_W24\RX PH6, 25C_W24_1.D
Sample Name: RX pH6, 25C


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.539	-	-	-	-	-	Reb F
3.777	-	-	-	-	-	Reb C
4.080	-	-	-	-	-	Dul A
5.062	-	-	-	-	-	Rub
6.562 MM		2.20604	1.45356	2.00060		Reb B
7.097	-	-	-	-	-	SBio

Totals : 474.68070

2 Warnings or Errors :

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

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

 PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
	pH Stability of Rebaudioside X	Revision No: 00

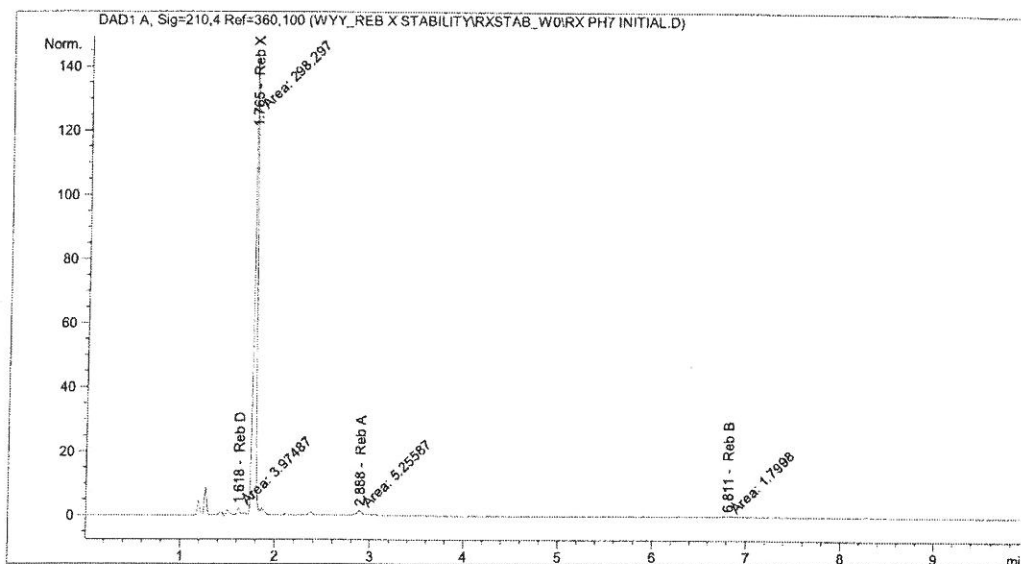
Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH7 INITIAL.D
Sample Name: RX pH7

```

=====
Acq. Operator   :                               Seq. Line :   13
Acq. Instrument : Instrument 1                  Location  : Vial 16
Injection Date  : 3/8/2012 6:31:37 PM          Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 3/7/2012 4:22:38 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX_C18_W0.M
Last changed    : 9/14/2012 10:41:20 AM
                  (modified after loading)
Sample Info     : Reb X, pH 7.04, Initial
                  465.4732 mg/L
=====

```



External Standard Report

```

=====
Sorted By      :      Signal
Calib. Data Modified : 9/14/2012 10:41:21 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
1.618	MF	3.97487	1.46014	5.07954		Reb D
1.765	MF +	298.29745	1.46014	435.55577		Reb X
2.888	MF	5.25587	1.46014	5.75265		Reb A
3.109		-	-	-		Stev

Instrument 1 9/14/2012 10:42:25 AM

Page 1 of 2

 PureCircle PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
pH Stability of Rebaudioside X		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH7 INITIAL.D
Sample Name: RX pH7


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.611	-	-	-	-	-	Reb C
3.912	-	-	-	-	-	Reb F
4.213	-	-	-	-	-	Dul A
5.316	-	-	-	-	-	Rub
6.811	MM	1.79980	1.46014	1.63958	-	Reb B
7.322	-	-	-	-	-	SBio

Totals : 448.02755

1 Warnings or Errors :

Warning : Calibrated compound(s) not found

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

 PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
	pH Stability of Rebaudioside X	Revision No: 00

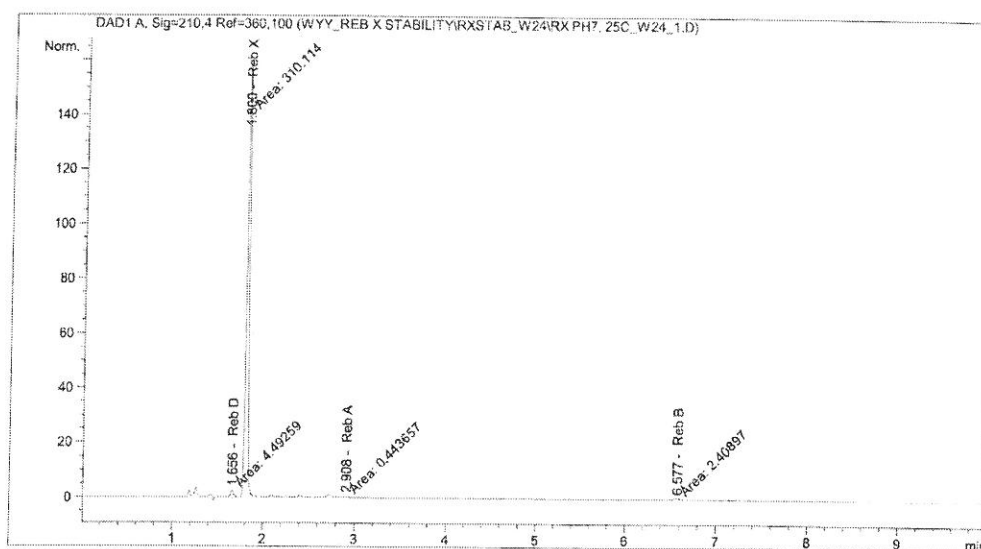
Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX PH7, 25C_W24_1.D
Sample Name: RX pH7, 25C

```

=====
Acq. Operator   :                               Seq. Line :   28
Acq. Instrument : Instrument 1                  Location  : Vial 26
Injection Date  : 8/24/2012 12:02:35 AM        Inj       :    1
                                           Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 8/23/2012 3:31:08 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX_C18_W24.M
Last changed    : 9/19/2012 3:08:39 PM
                  (modified after loading)
Sample Info     : Reb X, pH 7.04, 25C_Week 24
                  465.4732 mg/L
=====

```



External Standard Report

```

=====
Sorted By      :      Signal
Calib. Data Modified : 8/24/2012 8:52:45 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
1.656	MF	4.49259	1.45356	5.71526		Reb D
1.800	MF +	310.11398	1.45356	450.76825		Reb X
2.908	MM	4.43657e-1	1.45356	4.83402e-1		Reb A
3.070		-	-	-		Stev

strument 1 9/19/2012 3:14:23 PM

Page 1 of 2

 PureCircle PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
pH Stability of Rebaudioside X		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX PH7, 25C_W24_1.D
Sample Name: RX pH7, 25C


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.546	-	-	-	-	-	Reb F
3.784	-	-	-	-	-	Reb C
4.088	-	-	-	-	-	Dul A
5.072	-	-	-	-	-	Rub
6.577 MM		2.40897	1.45356	2.18464		Reb B
7.111	-	-	-	-	-	SBio

Totals : 459.15155

2 Warnings or Errors :

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

*** End of Report ***

 PureCircle Sdn Bhd pH Stability of Rebaudioside X	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
	Revision No: 00	

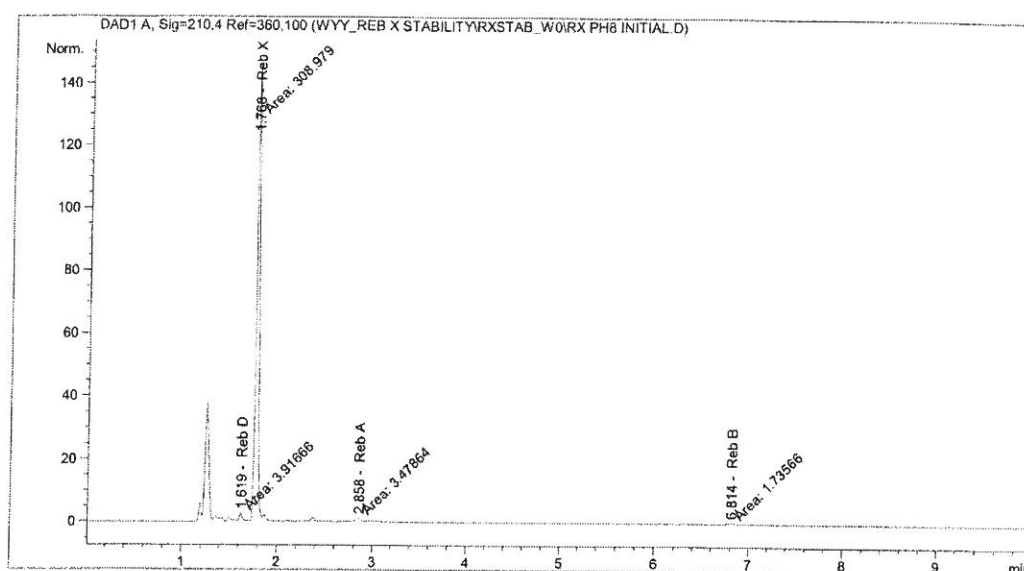
Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH8 INITIAL.D
Sample Name: RX pH8

```

=====
Acq. Operator   :                               Seq. Line :   14
Acq. Instrument : Instrument 1                   Location  : Vial 17
Injection Date  : 3/8/2012 6:43:30 PM             Inj       :    1
                                                Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 3/7/2012 4:22:38 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX_C18_W0.M
Last changed    : 9/14/2012 10:41:20 AM
                  (modified after loading)
Sample Info     : Reb X, pH 8.06, Initial
                  474.6231 mg/L
=====

```



External Standard Report

```

=====
Sorted By      :      Signal
Calib. Data Modified : 9/14/2012 10:41:21 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
1.619	MF	3.91666	1.46014	5.00516		Reb D
1.768	MF +	308.97949	1.46014	451.15304		Reb X
2.858	MM	3.47864	1.46014	3.80745		Reb A
3.114		-	-	-		Stev

Instrument 1 9/14/2012 10:43:10 AM

Page 1 of 2

 PureCircle PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
pH Stability of Rebaudioside X		Revision No: 00

Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W0\RX PH8 INITIAL.D
 Sample Name: RX pH8


RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/L]	Grp	Name
3.616	-	-	-	-	-	Reb C
3.918	-	-	-	-	-	Reb F
4.219	-	-	-	-	-	Dul A
5.324	-	-	-	-	-	Rub
6.814 MM		1.73566	1.46014	1.58115		Reb B
7.333	-	-	-	-	-	SBio

Totals : 461.54679

1 Warnings or Errors :

Warning : Calibrated compound(s) not found

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

 PureCircle Sdn Bhd pH Stability of Rebaudioside X	Report # RX_pH_W24	Issue date: 19/09/2012
		Revision date: --/--/--
	Revision No: 00	

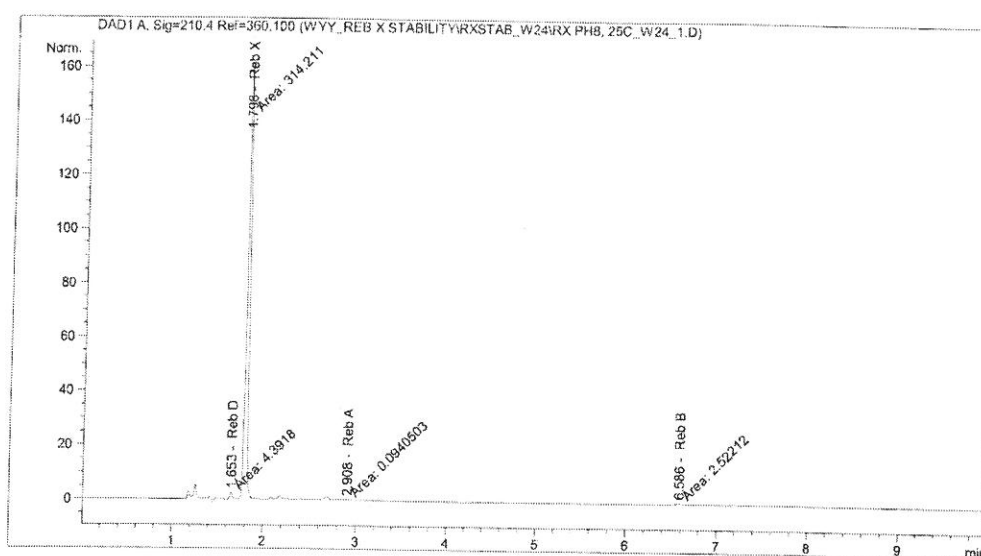
Data File C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX PH8, 25C_W24_1.D
 Sample Name: RX pH8, 25C

```

=====
Acq. Operator   :                               Seq. Line :   31
Acq. Instrument : Instrument 1                  Location  : Vial 27
Injection Date  : 8/24/2012 1:14:00 AM          Inj       :    1
                                           Inj Volume: 5 µl

Acq. Method     : C:\CHEM32\1\METHODS\C18.M
Last changed    : 8/23/2012 3:31:08 PM
Analysis Method : C:\CHEM32\1\DATA\WYY_REB X STABILITY\RXSTAB_W24\RX_C18_W24.M
Last changed    : 9/19/2012 3:08:39 PM
                (modified after loading)
Sample Info     : Reb X, pH 8.06, 25C Week 24
                474.6231 mg/L
=====

```



External Standard Report

```

=====
Sorted By       : Signal
Calib. Data Modified : 8/24/2012 8:52:45 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
1.653	MF	4.39180	1.45356	5.58705		Reb D
1.798	MF +	314.21085	1.45356	456.72327		Reb X
2.908	MM	9.40503e-2	1.45356	1.02476e-1		Reb A
3.066		-	-	-		Stev

Instrument 1 9/19/2012 3:15:24 PM

Page 1 of 2

 PureCircle	PureCircle Sdn Bhd	Report # RX_pH_W24	Issue date: 19/09/2012
			Revision date: --/--/--
pH Stability of Rebaudioside X			Revision No: 00

Data File C:\CHEM32\1\DATA\WVY_REB X STABILITY\RXSTAB_W24\RX PH8, 25C_W24_1.D
Sample Name: RX pH8, 25C

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [ng/L]	Grp	Name
3.541	-	-	-	-	-	Reb F
3.779	-	-	-	-	-	Reb C
4.083	-	-	-	-	-	Dul A
5.065	-	-	-	-	-	Rub
6.586 MM	-	2.52212	1.45356	2.28724	-	Reb B
7.102	-	-	-	-	-	SBio

Totals : 464.70003

2 Warnings or Errors :

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

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