

Homogeneity and Stability

Sample ID OL23SEP-1
Samples shipped 11-Sep-23
Results due date 20-Oct-23

Homogeneity

10 sample vials randomly chosen for analysis.

Duplicate test portions analyzed for analyte and method shown in table caption.

Total delta-9 THC (%AR) via GC-FID (method 006.40)

Analysis Date: 9/25/23

Sample #	Replicate 1	Replicate 2
1	0.0820	0.0820
2	0.0814	0.0802
3	0.0805	0.0870
4	0.0794	0.0796
5	0.0811	0.0794
6	0.0816	0.0761
7	0.0765	0.0765
8	0.0766	0.0788
9	0.0778	0.0774

		%RSD	HorRat-r
Overall average:	0.0797		
SD of sample avgs:	0.002308	2.90	
repeatability SD:	0.0021492	2.70	0.5
between-sample SD:	0.00174	2.18	
reproducibility SD:	0.0027634	3.47	
SD used for Analyte z scores:	0.0111		
Check value:	0.00333		

Total delta-9 THC (%AR) via GC-FID (method 006.40)

Is between-sample SD less than check value? YES

Homogeneity test passed

delta-8 THC (%AR) via GC-FID (method 0013.99)

Analysis Date: 9/25/23

Sample #	Replicate 1	Replicate 2
1	0.1362	0.1337
2	0.1354	0.1332
3	0.1351	0.1401
4	0.1309	0.1310
5	0.1313	0.1278
6	0.1507	0.1321
7	0.1264	0.1280
8	0.1281	0.1324
9	0.1321	0.1308

		%RSD	HorRat-r
Overall average:	0.1331		
SD of sample avgs:	0.00423	3.18	
repeatability SD:	0.0048304	3.63	0.7
between-sample SD:	0.00281	2.11	
reproducibility SD:	0.0055885	4.20	
SD used for Analyte z scores:	0.0131		
Check value:	0.00393		

delta-8 THC (%AR) via GC-FID (method 0013.99)

Is between-sample SD less than check value? NO

Homogeneity test did NOT pass

Total CBD (%AR) via GC-FID (method 007.40)

Analysis Date: 9/25/23

Sample #	Replicate 1	Replicate 2
1	2.7305	2.7345
2	2.7091	2.6700
3	2.6743	2.7303
4	2.6142	2.6344
5	2.6460	2.6325
6	2.7010	2.7118
7	2.6549	2.6733
8	2.6300	2.6943
9	2.6706	2.6847

		%RSD	HorRat-r
Overall average:	2.6776		
SD of sample avgs:	0.034151	1.28	
repeatability SD:	0.0236466	0.88	0.3
between-sample SD:	0.02978	1.11	
reproducibility SD:	0.0380248	1.42	
SD used for Analyte z scores:	0.2058		
Check value:	0.06174		

Total CBD (%AR) via GC-FID (method 007.40)

Is between-sample SD less than check value? YES

Homogeneity test passed

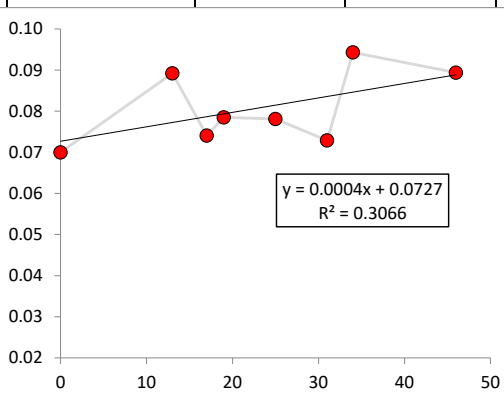
Stability

Sample tested on different days from date sample shipped to results due date.

Sample stored at room temperature during period of testing.

Total THC (%AR) via GC-FID (method 006.40)

Date of Analysis	Days	Conc.
9/8/23	0	0.0700
9/21/23	13	0.0892
9/25/23	17	0.0741
9/27/23	19	0.0785
10/3/23	25	0.0781
10/9/23	31	0.0729
10/12/23	34	0.0943
10/24/23	46	0.0894



Days = x variable, Conc = y variable

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.55367828
R Square	0.30655963
Adjusted R Squ	0.19098624
Standard Error	0.00806853
Observations	8

ANOVA

	df	SS	MS	F	Significance F
Regression	1	0.00017268	0.000172682	2.65251	0.154509735
Residual	6	0.00039061	6.51012E-05		
Total	7	0.00056329			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
Intercept	0.07268765	0.00574671	12.64856219	1.5E-05	0.058625952	0.08674935
X Variable 1	0.00035134	0.00021573	1.628652946	0.15451	-0.000176521	0.00087921

Coefficient for x variable is not statistically significantly different from 0.

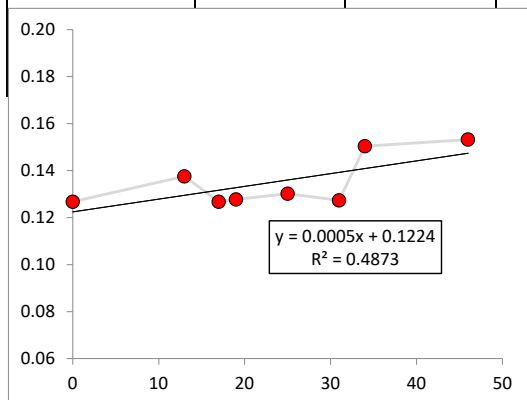
No significant change in result during testing period.

Stability test passed.

%RSD = 11.1 HorRat-R = 1.9

delta-8 THC (%AR) via GC-FID (method 006.40)

Date of Analysis	Days	Conc.
9/8/23	0	0.1268
9/21/23	13	0.1375
9/25/23	17	0.1268
9/27/23	19	0.1277
10/3/23	25	0.1302
10/9/23	31	0.1273
10/12/23	34	0.1504
10/24/23	46	0.1532



Days = x variable, Conc = y variable

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.6980415
R Square	0.48726194
Adjusted R Squ	0.40180559
Standard Error	0.00849642
Observations	8

ANOVA

	df	SS	MS	F	Significance F
Regression	1	0.00041161	0.000411614	5.701881	0.054184025
Residual	6	0.00043313	7.21891E-05		
Total	7	0.00084475			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
Intercept	0.12244346	0.00605147	20.23367049	9.47E-07	0.107636048	0.137250879
X Variable 1	0.00054244	0.00022717	2.387861254	0.054184	-1.34144E-05	0.001098304

Coefficient for x variable is not statistically significantly different from 0.

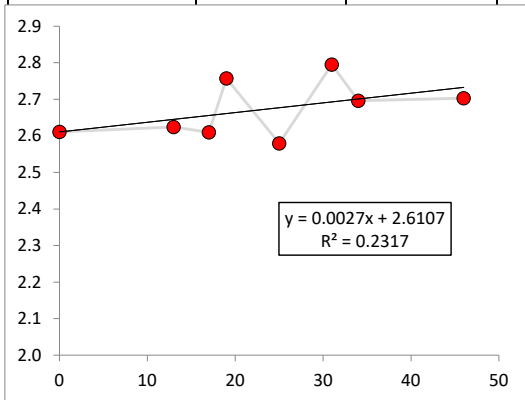
No significant change in result during testing period.

Stability test passed.

%RSD = 8.1 HorRat-R = 1.5

Total CBD (%AR) via GC-FID (method 006.40)

Date of Analysis	Days	Conc.
9/8/23	0	2.6108
9/21/23	13	2.6240
9/25/23	17	2.6097
9/27/23	19	2.7573
10/3/23	25	2.5797
10/9/23	31	2.7952
10/12/23	34	2.6965
10/24/23	46	2.7033



Days = x variable, Conc = y variable

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.48131938
R Square	0.23166835
Adjusted R Squ	0.10361307
Standard Error	0.07375862
Observations	8

ANOVA

	df	SS	MS	F	Significance F
Regression	1	0.00984226	0.009842258	1.809128	0.227222049
Residual	6	0.032642	0.005440333		
Total	7	0.04248426			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
Intercept	2.61072308	0.05253367	49.69618478	4.45E-09	2.482177816	2.739268346
X Variable 1	0.00265252	0.00197207	1.345038173	0.227222	-0.002172977	0.007478008

Coefficient for x variable is not statistically significantly different from 0.

No significant change in result during testing period.

Stability test passed.

%RSD = 2.9 HorRat-R = 0.8