

# Homogeneity and Stability

|                        |           |
|------------------------|-----------|
| Sample ID .....        | HM21SEP-1 |
| Samples shipped .....  | 7-Sep-21  |
| Results due date ..... | 15-Oct-21 |

## Homogeneity

10 sample packets 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: 10/4/21

| Sample # | Replicate 1 | Replicate 2 |
|----------|-------------|-------------|
| 1        | 0.1036      | 0.1146      |
| 2        | 0.1070      | 0.1026      |
| 3        | 0.1063      | 0.1152      |
| 4        | 0.1126      | 0.1062      |
| 5        | 0.1033      | 0.1089      |
| 6        | 0.1060      | 0.1096      |
| 7        | 0.1058      | 0.1066      |
| 8        | 0.1069      | 0.0993      |
| 9        | 0.0996      | 0.1079      |
| 10       | 0.1091      | 0.1047      |

|                               |          | %RSD | HorRat-r |
|-------------------------------|----------|------|----------|
| Overall average:              | 0.1068   |      |          |
| SD of sample avgs:            | 0.002496 | 2.34 |          |
| repeatability SD:             | 0.004747 | 4.45 | 0.8      |
| between-sample SD:            | 0        | 0.00 |          |
| reproducibility SD:           | 0.004747 | 4.45 |          |
| SD used for Analyte z scores: | 0.008    |      |          |
| Check value:                  | 0.0024   |      |          |

### 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: 10/4/21

| Sample # | Replicate 1 | Replicate 2 |
|----------|-------------|-------------|
| 1        | 0.4036      | 0.3864      |
| 2        | 0.3921      | 0.3915      |
| 3        | 0.3902      | 0.3879      |
| 4        | 0.3921      | 0.3886      |
| 5        | 0.3863      | 0.3910      |
| 6        | 0.3814      | 0.3844      |
| 7        | 0.3924      | 0.3863      |
| 8        | 0.3890      | 0.3915      |
| 9        | 0.3883      | 0.3867      |
| 10       | 0.3865      | 0.3970      |

|                               |          | %RSD |     |
|-------------------------------|----------|------|-----|
| Overall average:              | 0.3897   |      |     |
| SD of sample avgs:            | 0.003166 | 0.81 |     |
| repeatability SD:             | 0.004996 | 1.28 | 0.3 |
| between-sample SD:            | 0        | 0.00 |     |
| reproducibility SD:           | 0.004996 | 1.28 |     |
| SD used for Analyte z scores: | 0.0205   |      |     |
| Check value:                  | 0.00615  |      |     |

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

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.  |
|------------------|------|--------|
| 9/13/21          | 0    | 0.0906 |
| 9/15/21          | 2    | 0.0850 |
| 9/18/21          | 5    | 0.1206 |
| 9/26/21          | 13   | 0.0812 |
| 9/29/21          | 16   | 0.1071 |
| 10/2/21          | 19   | 0.0861 |
| 10/5/21          | 22   | 0.1262 |
| 10/9/21          | 26   | 0.0912 |
| 10/13/21         | 30   | 0.0954 |

Days = x variable, Conc = y variable

SUMMARY OUTPUT

| Regression Statistics |            |
|-----------------------|------------|
| Multiple R            | 0.0964902  |
| R Square              | 0.0093104  |
| Adjusted R Squ        | -0.1322167 |
| Standard Error        | 0.0171953  |
| Observations          | 9          |

ANOVA

|            | df | SS         | MS          | F        | Significance F |
|------------|----|------------|-------------|----------|----------------|
| Regression | 1  | 1.9451E-05 | 1.94512E-05 | 0.065785 | 0.804950559    |
| Residual   | 7  | 0.00206975 | 0.000295679 |          |                |
| Total      | 8  | 0.0020892  |             |          |                |

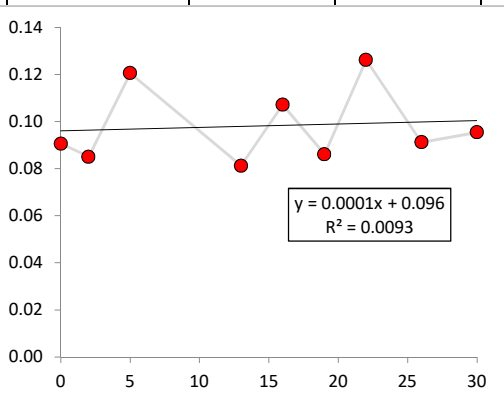
|              | Coefficients | Standard Error | t Stat      | P-value  | Lower 95%    | Upper 95%   |
|--------------|--------------|----------------|-------------|----------|--------------|-------------|
| Intercept    | 0.0959945    | 0.01019044     | 9.420050306 | 3.17E-05 | 0.071897921  | 0.12009106  |
| X Variable 1 | 0.0001462    | 0.00057016     | 0.256485769 | 0.804951 | -0.001201973 | 0.001494448 |

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

No significant change in result during testing period.

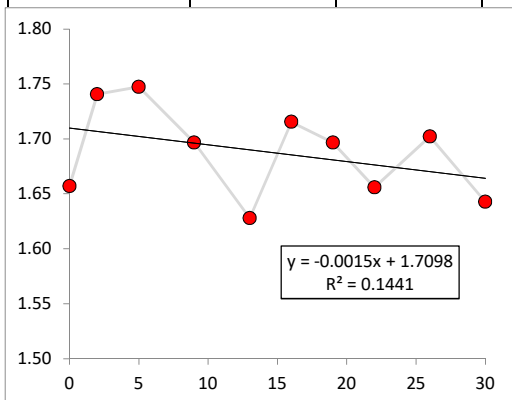
Stability test passed.

%RSD = 16.5



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

| Date of Analysis | Days | Conc.  |
|------------------|------|--------|
| 9/13/21          | 0    | 1.6570 |
| 9/15/21          | 2    | 1.7407 |
| 9/18/21          | 5    | 1.7474 |
| 9/22/21          | 9    | 1.6966 |
| 9/26/21          | 13   | 1.6280 |
| 9/29/21          | 16   | 1.7155 |
| 10/2/21          | 19   | 1.6966 |
| 10/5/21          | 22   | 1.6558 |
| 10/9/21          | 26   | 1.7023 |
| 10/13/21         | 30   | 1.6428 |



Days = x variable, Conc = y variable

SUMMARY OUTPUT

| Regression Statistics |           |
|-----------------------|-----------|
| Multiple R            | 0.3796164 |
| R Square              | 0.1441086 |
| Adjusted R Squ        | 0.0371222 |
| Standard Error        | 0.0401326 |
| Observations          | 10        |

ANOVA

|            | df | SS         | MS          | F        | Significance F |
|------------|----|------------|-------------|----------|----------------|
| Regression | 1  | 0.00216948 | 0.002169478 | 1.346981 | 0.27926622     |
| Residual   | 8  | 0.01288498 | 0.001610623 |          |                |
| Total      | 9  | 0.01505446 |             |          |                |

|              | Coefficients | Standard Error | t Stat      | P-value  | Lower 95%    | Upper 95%   |
|--------------|--------------|----------------|-------------|----------|--------------|-------------|
| Intercept    | 1.7098472    | 0.02251011     | 75.95907213 | 1.01E-12 | 1.657938759  | 1.761755579 |
| X Variable 1 | -0.0015195   | 0.00130926     | -1.16059499 | 0.279266 | -0.004538675 | 0.001499637 |

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

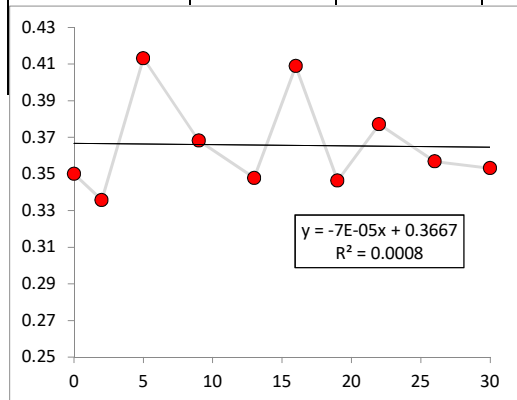
No significant change in result during testing period.

Stability test passed.

%RSD = 2.4

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

| Date of Analysis | Days | Conc.  |
|------------------|------|--------|
| 9/13/21          | 0    | 0.3499 |
| 9/15/21          | 2    | 0.3357 |
| 9/18/21          | 5    | 0.4131 |
| 9/22/21          | 9    | 0.3681 |
| 9/26/21          | 13   | 0.3478 |
| 9/29/21          | 16   | 0.4088 |
| 10/2/21          | 19   | 0.3463 |
| 10/5/21          | 22   | 0.3771 |
| 10/9/21          | 26   | 0.3568 |
| 10/13/21         | 30   | 0.3531 |



Days = x variable, Conc = y variable

SUMMARY OUTPUT

| Regression Statistics |           |
|-----------------------|-----------|
| Multiple R            | 0.0276327 |
| R Square              | 0.0007636 |
| Adjusted R Squ        | -0.124141 |
| Standard Error        | 0.0281066 |
| Observations          | 10        |

ANOVA

|            | df | SS         | MS          | F        | Significance F |
|------------|----|------------|-------------|----------|----------------|
| Regression | 1  | 4.8293E-06 | 4.82933E-06 | 0.006113 | 0.939599528    |
| Residual   | 8  | 0.00631986 | 0.000789983 |          |                |
| Total      | 9  | 0.00632469 |             |          |                |

|              | Coefficients | Standard Error | t Stat      | P-value  | Lower 95%    | Upper 95%   |
|--------------|--------------|----------------|-------------|----------|--------------|-------------|
| Intercept    | 0.366689     | 0.01576484     | 23.25993294 | 1.24E-08 | 0.330335252  | 0.403042806 |
| X Variable 1 | -7.169E-05   | 0.00091693     | -0.07818703 | 0.9396   | -0.002186142 | 0.002042757 |

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

No significant change in result during testing period.

Stability test passed.

%RSD = 7.2