



# Cannabis Edible Homogeneity Study

<b>Production Facility Name</b>						<b>Overall Homogeneity</b>	
<b>4 Digit CE ID:</b>		<b>Product Name</b>					
<b>Prod. Run #</b>			<b>Prod. Run Recipe # Items</b>				
			<b>Date Collected</b>				
<b># Servings/ Item</b>		<b># Units Collected</b>		<b>Final Report Date</b>			
<b>Target THC value (mg)</b> Per serving for edibles, per item for drinks				<b>Average Weight/ Item</b>			

Record individual THC values for laboratory portions tested below. The laboratory must provide the number of data points as specified in Table

Tier	Prod. Run Size					Drinks
				Drinks		

### RESULT FORM

Enter the THC results for each serving or item in mg/unit. 1 outlier may be removed for every 6 data points. Do not enter outliers into the form. The percent deviation from the THC target value will automatically populate in the field to the right.

1	%	13	%	25	%
2	%	14	%	26	%
3	%	15	%	27	%
4	%	16	%	28	%
5	%	17	%	29	%
6	%	18	%	30	%
7	%	19	%	31	%
8	%	20	%	32	%
9	%	21	%	33	%
10	%	22	%	34	%
11	%	23	%	35	%
12	%	24	%	36	%

\*\*\*Select a box below only if items are multi-serving edibles with 10 or more servings per item\*\*\*

<b>Does the THC content of one 10% portion contain &gt; 20% of the total THC in that item?</b>	<b>Y</b>	<b>N</b>
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	<b>Initials</b>
I certify that the laboratory collected the correct number of items according to Table I above.	
I certify that sampling of items for bench testing was performed in accordance with the procedure below.	
I certify that all method and instrument controls for this analysis were within tolerance limits.	
I certify that all test records for this study <b>have been stored</b> in a manner which is easily retrievable and allows for review by the CCB upon request.	
<b>Laboratory Representative Electronic Signature</b>	
<p>*A production facility must undergo a full homogeneity study for a product again if:</p> <p>(a) There are substantial changes to the preparation procedures that may result in a difference in product weight, THC content or distribution.</p> <p>(b) There are any changes in the type of ingredient in the product, except for a difference in the strain of usable cannabis.</p>	

INSTRUCTIONS					
<b>1</b>	Lab collects number of required items according to Table 1. A regular package (not a test sample package) containing the quantity to be tested is created from the parent production batch, and then manifested to the laboratory. If requested, the lab will secure a retest sample with the same # of items and include a copy of the Metrc tag from the parent production batch.				
<b>2</b>	Lab transports samples. Once at the lab, in the Metrc Packages Active Inventory, click on the package to be tested. Click on the "Adjust" button, and adjust package using the negative/minus (-) sign and the amount in the Quantity box of the weight of the package. Select the appropriate unit of measure, and use the adjustment reason of "Waste." In the notes section, include the comment " <b>Lab-Full Homogeneity Study.</b> "				
<b>3</b>	Complete the top portion of the Cannabis Homogeneity Study form. Take a photo of the product, and insert the photo into the form by clicking in the field under the header "Product Photo." Determine the average item weight, and enter this result into the "Average Weight per Item" field in the form.				
<b>Perform testing according to the instructions below.</b>					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e1eef6;"> <th style="width:50%; text-align: center;">Single-Serving Edibles and Drinks</th> <th style="width:50%; text-align: center;">Multi-Serving Edibles</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>Determine the average item weight.</li> <li>Single Serving Edibles: test each item for THC potency. Do not homogenize between items.</li> <li><u>Drinks</u>: test each item, determine total THC per item, regardless of number of servings.</li> <li><u>Result entry</u>: Enter the THC in mg for each item. Up to 1 outlier may be removed for every 6 data points. Lab is not required to remove outliers, but <b>if outliers are removed do not enter them into the form</b>. Each submitted value must be within <math>\pm 15\%</math> of the value in the "Target THC value (mg)" field for the study to pass.</li> </ul> </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>Determine the average item weight.</li> <li>Test 2 different servings from each item for THC potency. Do not homogenize servings/ items.</li> <li><u>Result entry</u>: Enter the THC in mg for each serving tested. Up to 1 outlier may be removed for every 6 data points. Lab is not required to remove outliers, but <b>if outliers are removed do not enter them into the form</b>. Each submitted value must be within <math>\pm 15\%</math> of the value in the "Target THC value (mg)" field for the study to pass.</li> <li><b>For edibles with 10 or more servings ONLY (i.e. chocolate bars)</b>: Check the appropriate box at the bottom of the result form. One 10% portion may not contain more than 20% of the total THC in an item. This results in an automatic failure of the study.</li> </ul> </td> </tr> </tbody> </table>		Single-Serving Edibles and Drinks	Multi-Serving Edibles	<ul style="list-style-type: none"> <li>Determine the average item weight.</li> <li>Single Serving Edibles: test each item for THC potency. Do not homogenize between items.</li> <li><u>Drinks</u>: test each item, determine total THC per item, regardless of number of servings.</li> <li><u>Result entry</u>: Enter the THC in mg for each item. Up to 1 outlier may be removed for every 6 data points. Lab is not required to remove outliers, but <b>if outliers are removed do not enter them into the form</b>. Each submitted value must be within <math>\pm 15\%</math> of the value in the "Target THC value (mg)" field for the study to pass.</li> </ul>	<ul style="list-style-type: none"> <li>Determine the average item weight.</li> <li>Test 2 different servings from each item for THC potency. Do not homogenize servings/ items.</li> <li><u>Result entry</u>: Enter the THC in mg for each serving tested. Up to 1 outlier may be removed for every 6 data points. Lab is not required to remove outliers, but <b>if outliers are removed do not enter them into the form</b>. Each submitted value must be within <math>\pm 15\%</math> of the value in the "Target THC value (mg)" field for the study to pass.</li> <li><b>For edibles with 10 or more servings ONLY (i.e. chocolate bars)</b>: Check the appropriate box at the bottom of the result form. One 10% portion may not contain more than 20% of the total THC in an item. This results in an automatic failure of the study.</li> </ul>
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<b>4</b>					
<b>5</b>	Starting with result field 1, enter the results for each THC data point into the result form. The field next to each entered result will automatically populate with the percent deviation and "PASS" or "FAIL." Up to 1 data point per every 6 data points may be left out of the form as outliers. Do not enter outliers into the form. If the study passes, proceed to step 8. Otherwise, proceed to step 6.				
<b>6</b>	<p>If the study fails, the available options are:</p> <ul style="list-style-type: none"> <li>Report the study as failing. The Department will allow the facility to rework the product if possible. <b>If a multi-serving edible product with <math>\geq 10</math> servings fails for the criteria in step 9b above, the study automatically fails</b></li> <li>OR</li> <li>Calculate the mean THC content per item/serving. If each data point is within <math>\pm 15\%</math> of the mean, then the facility may use the mean THC content as the new target value if they choose to do so. However, that value must be used as the target for that recipe until another full study is performed.</li> </ul> <p>If the study is to be reported as failing, proceed to step 8. If the mean THC is to be used as the new target, proceed to step 7.</p>				
<b>7</b>	If the mean THC is to be used as the new target, replace the value in the "Target THC Value (mg)" field with the new target value. If all values are within $\pm$ of that value, the result located under the photo will automatically change to "PASS." Proceed to step 8.				
<b>8</b>	Save the pdf using the following format: L###_P###_Prod.Run#_HS (for "homogeneity study")				
<b>9</b>	If the homogeneity study passed, upload form to Metrc If the homogeneity study fails, upload form to Metrc.				