

Edible Cannabis and Hemp Product Testing Using the SRI 310MM Edibles GC

The SRI 310MM Edibles Cannabis and Hemp GC (Part# 0310-0095 \$12,896.00*) can be used to test most cannabis infused products ("edibles" or "medibles"). In fact, the procedure is almost identical to testing flower samples. In this document, the sample preparation for a lollipop will be shown, but the preparation will be similar for most other edible cannabis products.

Most edibles have a relatively low concentration of cannabinoids (THC, CBD, CBN, etc.) So in order to detect the cannabinoids, use 1 gram of sample.

Depending on the product, you may need to crush it into smaller pieces to get 1 gram.

Weigh out approximately 1 gram into a 40ml sample vial. It doesn't have to be exactly 1.000g. Just be sure to label the vial with the weight, so the appropriate weight can be entered into the sample weight box in PeakSimple.

***2022 pricing, prices subject to change, consult most recent price list.**



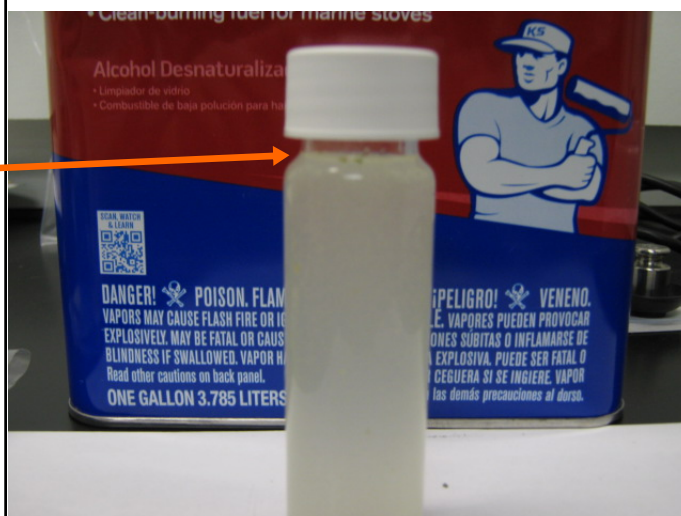
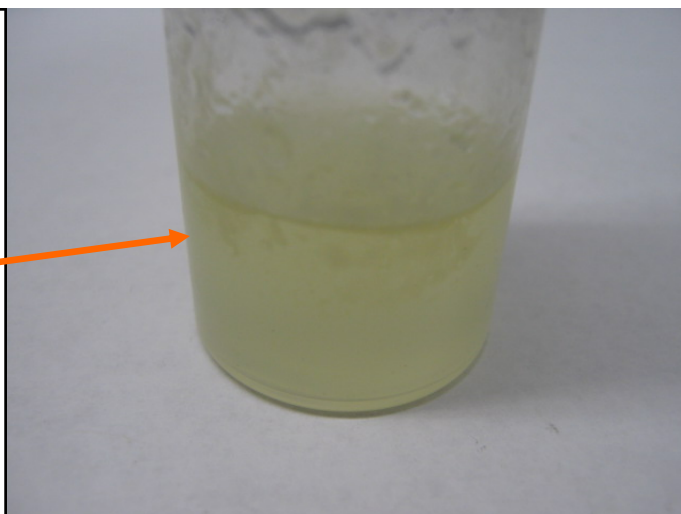
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Add solvent into the vial. If the edible does not dissolve in methanol, weigh out another sample, and add 10 mL of water first to dissolve it.

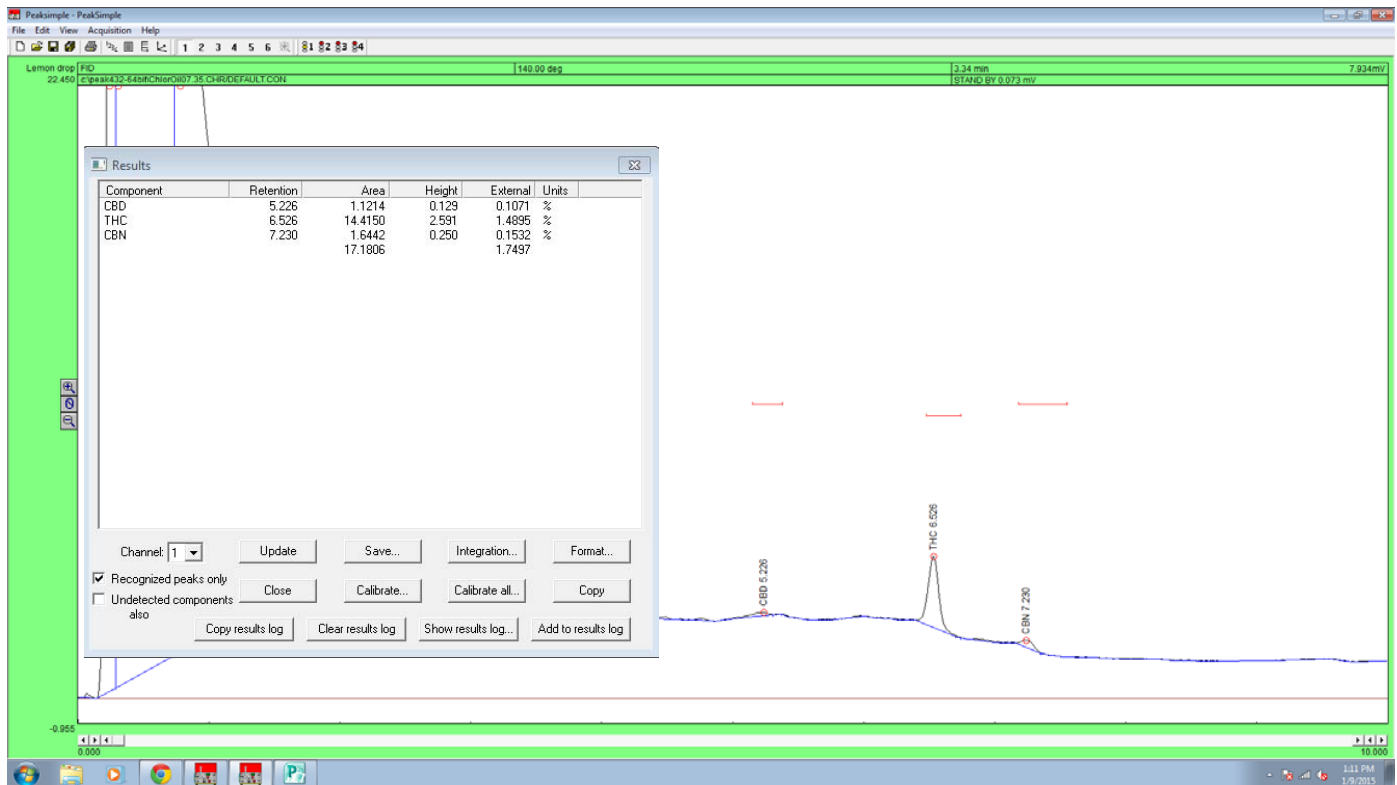
This particular edible was put in 10 mL of water for about 20 minutes and it dissolved very well. (Depending on the sample, a different solvent may be needed, but methanol alone will work well for most baked goods.)

After the sample has been fully dissolved, add methanol into the vial until it is filled to the neck. Shake once, then let sit for about 30 minutes.

After about 30 minutes, when the sample is ready, pull 1 uL (one microliter) into a syringe, and inject into the GC.



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The chromatogram above shows the results for the edible product.

CBD = 0.1071%

THC = 1.4895%

CBN = 0.1532

This document only contains information concerning **basic sample preparation for edible cannabis infused products**. For information on more advanced sample preparation for edibles or for testing THCA in similar samples, please see our documents called, "**Advanced Edible Cannabis Sample Preparation**" and "**THCA vs. d9-THC Measurement**".