Medible Testing Using the SRI 8610C GC

The SRI medical herb potency testing GC can be used to test most cannabis infused products. The procedure is almost identical to testing flower samples. In this document, the sample preparation for a lollipop will be shown.

Most medibles have a relatively low concentration of cannabinoids. 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 ~1 gram in the sample vial.
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After weighing the sample into a 40 mL vial, it needs to be dissolved. This particular medible was put in 10 mL of water for ~20 minutes, and dissolved very well. (Depending on the sample, a different solvent may be needed.)

After the sample has been fully dissolved, add methanol into the vial until it is filled to the lip. Shake once, then let sit for ~5 minutes.

(To speed up the process of both the water extracting, and the methanol/water equilibration, the sample can be placed in the incubator.)

When the sample is ready, pull 1 uL into a syringe, and inject into the GC.
The chromatogram above shows the results for the infusion.

CBD = 0.1071%
THC = 1.4895%
CBN = 0.1532

*This document only contains information concerning sample preparation for medibles, and other cannabis infused products. For information on testing THCA in similar samples, please see our document called, “THCA vs. d9-THC measurement”.*