



Basil Leaf Essential Oil

What you need:

- EssenEx™ 100 Distillation Kit
- 100 grams of Basil Leaf, chopped or ground.
- Grinding tool (blender or food processor) [if Basil not chopped or ground]

Preparation:

- Place Basil in Freezer for 24 hours to facilitate chopping and extraction.
- For initial runs, use 100 grams. Later, more or less may be used.
- Add water to powder with ratio $\frac{1}{2}$ ml water per gram of botanical. ($\frac{1}{2}$:1 by mass)
- Place in EssenEx™ as described in user manual.

Trial:

- Place the reactor into the microwave with mug of water.
 - o If multiple batches are to be run, change water in the mug between runs.
- Start with a 5.5 minute run time on a power setting of HIGH (1100 watts)
 - o Lower power units: simply add 30 seconds to a minute for the cooking phase.
- Allow the batch to cool for 6 minutes. In or outside the microwave. Caution: do not raise lid prior to 4 minutes and be careful if moving from microwave as jar will be quite warm initially.
 - o This is a key step to your success. Cooling allows the vapors to condense and yield more oil *and* → *it allows the reactor to be handled much easier!*

Collection:

- Pour top contents of the beaker into the easy separator and rotate it using the palms of your hands while resting it on a cloth (kitchen towel) on a hard surface (counter top). The motion should be similar to starting a fire with sticks.
- After a few seconds, stop rotating the separator and observe the oil layer.
- Repeat the process if you believe more oil will collect.
- Once the oil is separated (above the hydrosol in the neck of the flask), use the pipette to place it in a vial.

Yield:

- Upon lifting the lid, a small amount of ice should be seen remaining on screw.
 - o If not, then reduce the amount of water added or shorten microwave time.
- With nominally good Basil, 0.2 to 0.4% by mass oil should be recovered.
 - o 100 grams Basil yields roughly 0.2 to 0.4 ml oil.

Help Others!

- Please send in results using the standard reporting form and add commentary! Even qualitative results are a great help to other folks learning about nature's gifts.

For any question please contact us at Info@oilxtech.com or fill out our Customer Feedback at our website <http://www.oilxtech.com/contact-us/>