



# M.A.C.R.O.S.

**Mobile Access Compassionate Resources Organization Society**

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To Whom It May Concern:

The use of steeped Cannabis in boiled water and consumed as tea, has been experienced by many people as means of delivery to deal with various symptoms of their ailments. Through trial and error and with individual testimony, and from personal empirical testing, we have found that for every cup of tea, "steeped in boiling water, " 3 grams of raw cannabis are required to provide the same effect (only longer, 3-5 hours), as (.5 gram in a vaporizer lasts 1-2 hours).

Raw Cannabis (non-decarboxylase ~ not heated to a point where 1 carbon molecule is shed from the molecule changing it from an acid to an alcohol; (smoking and vaporization do this). It contains more of the less psychoactive potent THC Acid than the more potent psychoactive cannabinoid ingredient Delta 9 THC., hence regulating the "high" and allowing the other 2 main cannabinoids, CBD, cannabidiol, 190 C and CBN, Cannabinol, 185 C which have a lower evaporation temperature than TCH 200 Celsius, to be more easily rendered into the tea, providing better relief from pain and muscle cramping as well as anti-inflammatory effects.

Another reason for consuming a cannabis tea is that a naturally occurring anti-inflammatory agent beta-caryophyllene is present in 12 to 35 percent of the cannabis plant's essential oils and activates the CB2 receptors selectively. The oral ingestion through tea, delivers more of this anti-inflammatory compound to the body than smoking or vaporizing and for a longer duration of effect. (most of the essential oils which contain the beta-caryophyllene, which on its own has a flash point of 96C, would be evaporated with baking).

See <http://www.pnas.org/content/early/2008/06/23/0803601105.full.pdf+html> for additional information.

As a delivery system, the use of teas ( they can be flavored to personal taste), but has become more popular among medical users as a method of harm reduction.

In closing, the formula would be:

- 1 cup of tea = three grams Cannabis steeped in 1 cup of boiling water for 5 minutes: (although this method of cannabis use results in higher grams of cannabis used per diem, it does not reflect the actual amount of cannabis that the patient ingests into his/her body; the remaining wet vegetable matter is tossed into the garbage or composter)

IE: if someone were to consume 3 cups of Cannabis tea every day, then that person would be using 3 cups of tea x 3 grams of Cannabis = 9 grams cannabis used per day

We hope this is of Assistance to you,  
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