

MT SAIR

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WHITE PAPER



Introduction:

Drinking and driving is sometimes called driving under the **influence** (DUI) or driving while intoxicated (DWI) and involves operating a vehicle with a blood alcohol content (BAC) level of at least 0.08 percent. However, even a small amount of alcohol can lead to harmful situations. Some drivers may not even show warning signs of being under the influence, but that doesn't mean it's any less dangerous. It's important to remember that any form of drinking and driving is illegal and can come with strict punishment.

Moreover, alcohol and its derivatives effect internal organs and body process. Metti Global Pharm R&D is able to use the extract of Avocado (**US patent no. US 10,888,105 B2**), to detoxify the body thus protecting the liver and kidney as well as eliminate alcohol breath odor.

Abstract:

Detox is the process of clearing the substance from the body. There are two main ways of detox: Ceasing vs tampering. Ceasing or abrupt stop using alcohol and let the body resolve itself. This process can be detriment to the body because as alcohol is clear away from the body, the damaging is persisted. Tampering is when a health professional uses variety of methods to stop the damage of alcohol. MT SAIR is designed specifically for this endeavor. Our 100% organic extraction combined with specific vitamins and minerals can be easily absorbed orally via oral mucosa and/or intestinal linings. In our study (N: 278 males and 89 females between the age of 21 and 45), MT SAIR has a 75 ± 5 % oral mucosa absorption rate and 80 ± 4.43 % intestinal absorption rate. Methods of measuring Blood Alcohol Concentration (BAC) were used are breath analyzer and blood test. On the average it takes 1 hour for the body to feel the effect of one serving of alcohol on an empty stomach and around 2-4 hours after consuming one serving of alcohol to reach for a BAC to reach zero. Since BAC is varied depending on the multiple factors of the individual (age, sex, weight, diet ect...), each of the test subjects was independently measured after reaching the DUI level. In general, MT SAIR was able to decreases BAC level by 40% in 20 ± 6 minutes and 70% within 60 ± 8 minutes in both breath analyzer and blood test.

To further validate the use of Breath analyzer, Gas Chromatograph-Mass Spectrometry (GC-MS) was used to measure the odor of alcohol equates to odor per cubic meter of air ($1 \text{ ou}/m^3$). The result shows that the odor of alcohol was reduced by 85 ± 8 %

Conclusion:

Extract of Avocado can be utilized to significantly reduce the level of BAC. The avocado enveloping the alcohol molecules is proved in both vivo and vitro experiment. MT SAIR reduced BAC in the Breath analyzer and in blood level quite significantly. MT SAIR also



reduced alcohol level which might explain why breath analyzer result is so high. More studies are planned to study this effect.

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