

C4 Laboratories is a third-party testing and research cannabis laboratory operating in Mesa, AZ since May of 2015. We believe testing on medical cannabis is crucial to the industry and the patients it serves. Testing ensures quality standards, potency of products, and provides imperative health and safety data to protect patients from impurities and harmful contaminants that could cause additional health complications. It is important that consumers know exactly what is in their medicine. Verified test results allow patients to establish a consistent dosing regimen with confidence and can monitor validity and maintain access to products most beneficial for their needs. Laboratories can test for cannabinoid potency, terpene profiles, chemical contamination such as residual solvents remaining after extraction and concentration; pesticides, fungicides, herbicides, or growth regulators used during cultivation, heavy metal impurities and as well as pathogenetic microbial contamination.

In legal states where cannabis testing is mandated, laboratories are often required to pass accreditations and certify that all methods and testing procedures are verified for accuracy and repeatability. Many states base these standards around ISO 17025 and/ or NELAP standards. In order to safeguard unbiased data all laboratories achieving accreditation are required by law to have no direct affiliation or financial interest with any clients that they test for.

All legal cannabis states, with the exception of Arizona, have a regulatory body governing the state's marijuana program that implements and oversees compliance testing. As a new industry, and in part due to federal restrictions still in place, cannabis is subjected to heavy monitorization as standards and consistency are developed. This has started first within each legal state and then is applied to larger national and international markets. The process from beginning to end requires detailed documentation. Starting with seed to sale tracking each step in the plants process to sellable medicine is meticulously reported. Strict chain of custody documents are required and testing procedures are closely monitored by the state's regulatory authority to ensure accurate and verified Certificate of Analysis for tested products.

Throughout C4 Laboratories' 4-year history and tens of thousands of tested cannabis products, the inconsistency in label claims and harmful contaminants found is of great concern. For all cannabis consumers it is important that products are tested beyond cannabinoid potency, for our most at-risk patients, it is imperative. The presence of chemical impurities and microbial contaminants (mold, e-coli, salmonella) can be detrimental to the efficacy of the cannabis medicine itself and may unknowingly expose patients to further health complications and risks.

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