Cannabis & Hemp Rapidly expanding analytical fields

Aailent Trusted Answers

Agilent solutions are at the forefront of analytical screening efforts to accurately test medicinal and recreational cannabis, hemp, and cannabinoid products derived from these plants. States that have passed laws permitting usage of medicinal and recreational marijuana are now requiring rigorous testing to assure the safety and quality of retail products. State and forensic laboratories further need to authenticate hemp based on it potency.

From routine analysis to cutting edge research, Agilent's portfolio works seamlessly for maximum efficiency and performance.

Pesticides and Mycotoxins

Potentially harmful pesticides may be present in cannabis crops and extracts. It is therefore crucial that analytical monitoring of pesticide levels in cannabis takes place in order to assure consumer safety and comply with regulatory standards.¹

Potency

Canada and U.S. states that have legalized the use of medicinal or recreational marijuana require cannabinoid quantitation for total potency and cannabidiol. In some US. States, other cannabinoids are also regulated. These include cannabinol(CBN) and cannabigerol(CGB). Hemp products must also be tested for total potency.2



Heavy Metals

to human health. Cannabis products must therefore be rigorously tested to assure consumer safety. ^{3,4}

As the global innovator of laboratory technologies, Agilent CrossLab has created the ultimate, collaborative suite of world-class services, supplies, and software depended on by more than 260,000 labs around the world.

Agilent products and solutions are intended to be used for cannabis quality control and safety testing in laboratories where such use is permitted under state/country law.

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Terpenes

Terpenes contribute to the flavor and fragrance of cannabis. Terpenes have also been used as a means of more accurately identifying and characterzing cannabis cultivars.5,6



Microbial Testing

The presence of dangerous pathogens in cannabis poses a potential threat to consumers if those microbes synthesize toxigenic mycotoxins.



Residual Solvents

Cannabis concentrates derived from the plant may contain solvents used in the extraction process. Residual solvent testing is required to ensure these volatile chemicals do not exceed levels deemed to be harmful to consumer's health.⁷

Contact Agilent to learn more about our cannabis testing solutions.

Visit: agilent.com/chem/cannabis

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