



Information Update
Marijuana Laboratory Certification Program

April 21, 2026

Update #12

1. Δ 10-Tetrahydrocannabinol (“ Δ 10-THC”) has two stereoisomers, (6aR, 9R)- Δ 10-THC (CAS Number: 95543-62-7) and (6aR, 9S)- Δ 10-THC (CAS Number: 95588-87-7). Total Δ 10-THC must be reported as a sum of both (6aR, 9R)- Δ 10-THC and (6aR, 9S)- Δ 10-THC.
 - a. If the two isomers coelute and appear as a single combined peak, the result must be reported as total Δ 10-THC.
 - b. If the isomers are resolved as two separate peaks, each peak shall be individually quantified and the total Δ 10-THC shall be reported as the sum of both peaks.

Proficiency testing (“PT”) samples for the two stereoisomers are available from accredited providers.

2. The laboratories were previously provided guidance in Information Update #9, item #4, on prehomogenizing samples to particle sizes $\leq \frac{1}{4}$ inch before removing portions for microbiological testing. As per A.A.C. R9-17-404.04(H)(4), the Q2 qualifier applies when “the sample is heterogeneous, and sample homogeneity could not be readily achieved using routine laboratory practices.” The Department further clarifies that “routine laboratory practices” are not limited to crushing samples by hand, but also include established techniques such as cutting or grinding using sterile tools when following aseptic techniques to avoid cross-contamination. The Q2 data qualifier must only be used when all established homogenization methods have been exhausted and the technical laboratory director can assure that the final result is valid and defensible.

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