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BCA Expands delta-9-THC Quantitation Capabilities to include Concentrates

The Bureau of Criminal Apprehension Forensic Science Services (BCA FSS) is pleased to announce that it has completed validation activities and is **offering a testing procedure for determining the delta-9-Tetrahydrocannabinol (delta-9-THC) concentration in suspected THC concentrate samples (e.g. "waxes")**. This service will supplement the tests already available for plant material (suspected marijuana) and other liquids suspected of containing delta-9-THC. The procedure utilizes High Performance Liquid Chromatography (HPLC), which is a well-established technique for the separation of cannabinoids and the quantitation of delta-9-THC.

Effective immediately, all submissions for delta-9-THC quantitation will need a written statement from the prosecuting attorney requesting delta-9-THC quantitation. For a complete list of case acceptance requirements, please see the document located at:

<https://dps.mn.gov/divisions/bca/bca-divisions/forensic-science/Documents/Case%20Acceptance%20Criteria.pdf>

For suspected THC concentrates (e.g. "waxes") the THC concentration will be reported as one of the following:

- For THC concentrations below 0.13%, "not detected above the quantitative reporting limit of 0.13%"
- For THC concentrations >0.5%, "greater than 0.5%"
- For THC concentrations <0.5%, "less than 0.5% (unable to confirm a delta-9-THC concentration greater than 0.3%)"

The BCA anticipates a high demand for this additional testing service, which may result in delays in testing of all controlled substance evidence.

For specific questions relating to THC quantitation, please contact the BCA FSS Chemistry Management Team.

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