

# Cannabis and Hemp Testing

YOUR PARTNER FOR ANALYTICAL EXCELLENCE



# Be confident, assured, and ready

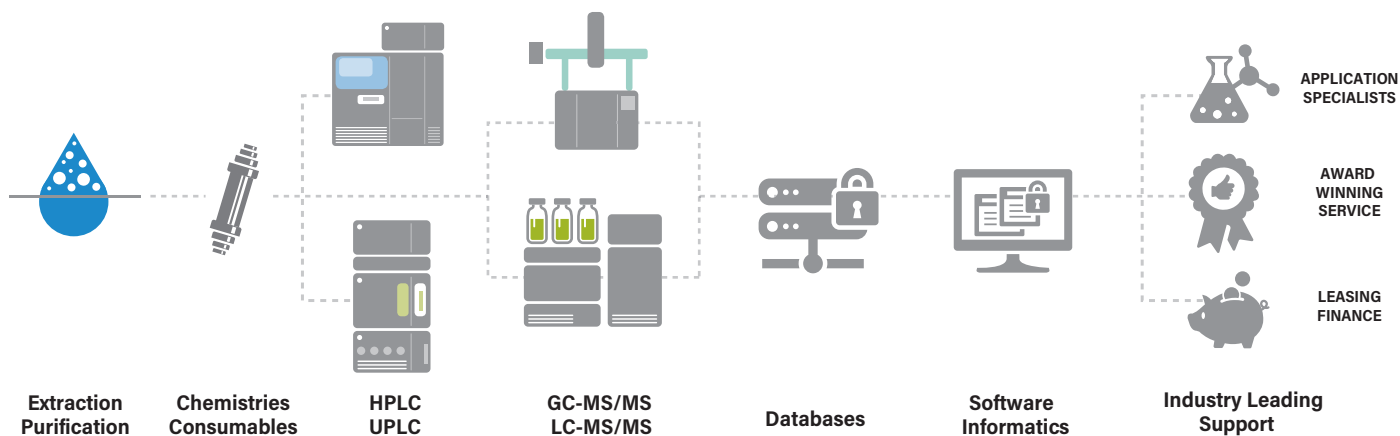
Our turnkey solutions for plant-to-product Cannabis Testing help regulated labs consistently deliver accurate results. With an unmatched level of application support and award winning services, our customers can rapidly adapt to changing safety and quality regulations with the highest levels of analytical confidence and ease.

Adapt quickly. Deliver with confidence. Grow with a trusted partner for regulated industries.

**“ Instrumentation is the most critical component of our business.  
Waters equipment is a foundational portion of our testing platform.”**

**DR. CHRISTOPHER HUDALLA**  
*ProVerde Co-founder and CSO*

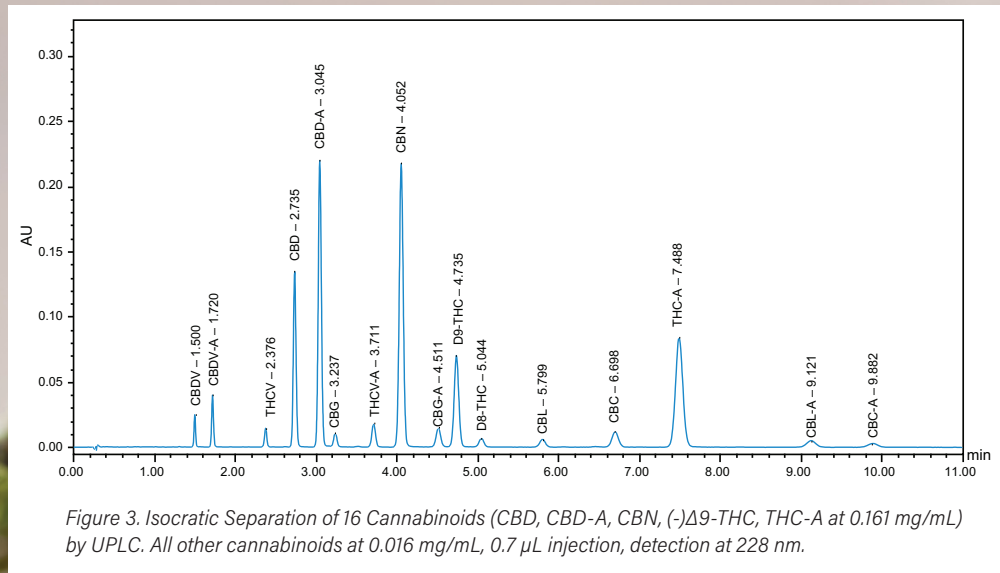
## BUILDING LAB CAPACITY



# Rapid Potency Measurement

- Analyze 16 cannabinoids in under 10 minutes using UPLC™ for fast turn around times, even for complex mixtures such as cannabis flowers and concentrates
- Easily identify and measure structurally similar compounds and different forms in a single run using HPLC
- Use UPC<sup>2™</sup> to distinctly separate cannabinoid isomers for the highest accuracy and confidence

KEY SOLUTIONS: HPLC | UPLC | UPC<sup>2</sup>





# Sensitive Pesticide Monitoring

- Detect pesticides below current action limits for Oregon, California, and Canada regulations for compliance today and in the future
- Automate method development using pre-built LC, GC, and MS methods specifically for cannabis applications
- Improve data quality with our simple extraction procedure for fast sample clean-up prior to analysis
- Simplify user training using a single software platform for both LC-MS/MS and GC-MS/MS systems

KEY SOLUTIONS: dSPE | LC-MS/MS | GC-MS/MS

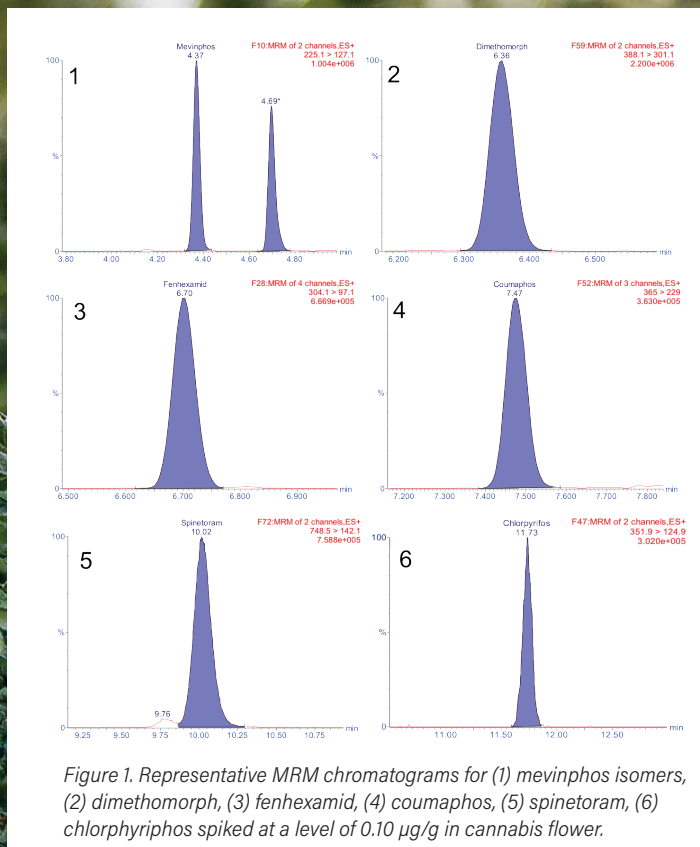
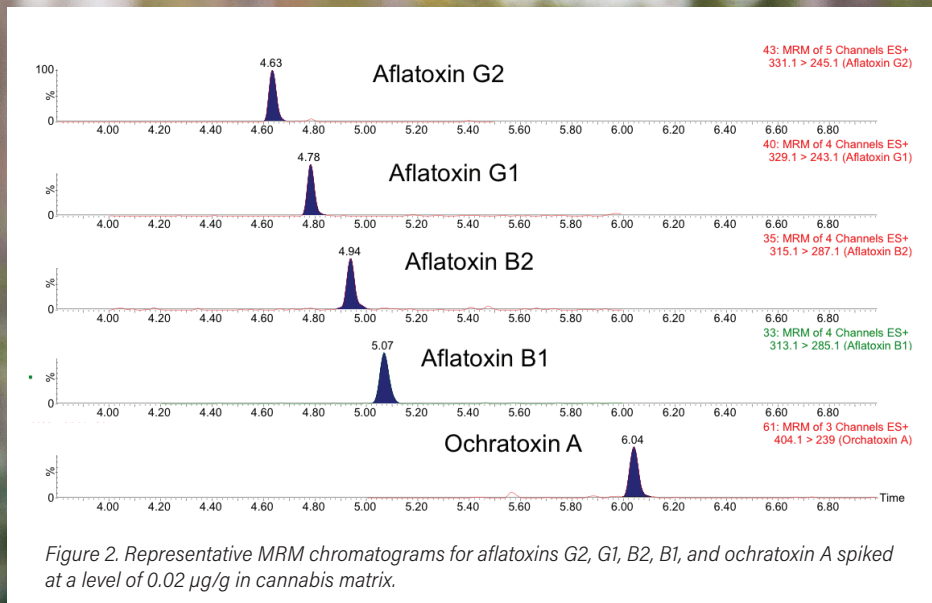


Figure 1. Representative MRM chromatograms for (1) mevinphos isomers, (2) dimethomorph, (3) fenhexamid, (4) coumaphos, (5) spinetoram, (6) chlorpyrifos spiked at a level of 0.10 µg/g in cannabis flower.

## Accurate Mycotoxin Detection

- Screen for aflatoxins at 20 ng/g (ppb) levels in as little as 3 minutes using a VICAM one-step strip test
- Simultaneously test for pesticides and mycotoxins using LC-MS/MS for efficient operation
- Obtain accurate and reproducible measurements for total confidence in results

KEY SOLUTIONS: Vicam Aflatoxin test kits | Fluorometers | LC-MS/MS



[www.waters.com/cannabis](http://www.waters.com/cannabis)

For your local sales office, please visit [www.waters.com/contact](http://www.waters.com/contact)

# Waters

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