



James (Jimmy) Dodsworth, Analytical Testing and Technology Specialist

Cannabis & Hemp Testing Expert | Analytical Chemistry | ISO/IEC 17025 Laboratory Operations

Jimmy Dodsworth is an analytical chemist and laboratory leader with 25+ years of experience spanning instrumental analysis, method development and validation, QA/QC systems, accreditations and licensing, and general management of large laboratories (>\$10M). He has specialized in cannabis and hemp testing since 2014, including building and accrediting laboratories, developing analytical methods, and advising attorneys and regulators on the scientific and quality-system requirements underlying compliant testing programs.

Legal Matters & Technical Focus Areas

- Chemical differentiation of hemp vs. cannabis using laboratory testing data and analytical method review
- Verification and technical review of COAs (Certificates of Analysis) and supporting laboratory documentation
- Authenticating licensing status, laboratory accreditation scope, and batch/lot documentation supporting COAs
- Assessing compliance with federal hemp requirements through data interpretation, method suitability, and quality-system controls
- Workplace disputes involving scientific interpretation of testing data, laboratory procedures, and quality records
- Commercial contract and business disputes involving laboratory performance, data integrity, and quality-system obligations
- Deposition and expert witness testimony experience

Expert Support for Attorneys

Jimmy supports counsel by translating complex analytical chemistry and laboratory quality concepts into clear, defensible explanations. His work includes reviewing laboratory methods and validation, chain-of-custody and testing workflows, COA support packages, instrument outputs, QC trends, and accreditation/licensing documentation to help attorneys understand what the data shows, what the testing program required, and whether the laboratory's processes were fit-for-purpose. He has been deposed and is experienced in providing expert witness testimony.

Relevant Experience

- Cannabis testing expertise since 2014; began in Naples, Florida after building a laboratory and developing testing methods from scratch.
- Led continuous improvement of methods and testing operations; laboratory became the first in Florida to achieve ISO/IEC 17025 accreditation through A2LA.
- Consultant since early 2020 supporting laboratories from start-up through accreditation and routine billable testing operations.
- Worked with more than 20 laboratories across the U.S., including major multi-state operator (MSO) laboratories.
- Advised on state-level updates to testing legislation and provided support to state laboratories on setup and adherence to ISO/IEC 17025 and ISO 9001.
- Broad laboratory management background including QA/QC systems, accreditations/licensing, instrumentation, and people/operations leadership.

Education

BS, Chemistry (Forensics and Toxicology focus), West Chester University, Pennsylvania