



Cannabis Analytical
Science Program



CASP OBJECTIVES

- Facilitate a forum for the science of cannabis and hemp
- Provide a home for the development and maintenance of cannabis standards and methods

STAKEHOLDERS

- Laboratories
- Method Developers
- Academia
- Associations
- Federal Regulatory Agencies
- State Governments
- Industry

BUILDING ON PREVIOUS ACCOMPLISHMENTS

The **Cannabis Analytical Science Program** (CASP), launched in early 2019, is considered a world-class science program by the cannabis and hemp analytics community. Members of CASP lead the scientific community in cannabis standards development for regulatory and private sector labs. The table below illustrates the wide range of topics addressed by CASP stakeholders and notable achievements from the past 3 years.

AOAC CASP Priority Subtopics		Completed Deliverables				
		SMPRs®	Performance Tested Methods	Official Methods of Analysis	Guidelines	Proficiency Testing
Microbiology	Aspergillus	✓	✓			2022
	E. Coli (STEC)	✓	✓			2022
	Salmonella	✓	✓			2022
	Listeria					2022
	Yeast & Mold	✓	✓	✓		2022
Chemical Contaminants	Pesticides	✓				✓
	Residual Solvents	✓ ¹				
	Mycotoxins	✓				✓
	Heavy Metals	✓		✓		✓
Cannabinoids	Concentrates	✓		✓		
	Extracts	✓				
	Dried Plant Material	✓		✓	✓	✓
	Hemp (low THC)	✓		✓		✓
	Cannabis >0.3% THC					✓
	Edible Chocolate	✓		✓		
	Infused Beverages	✓				
Laboratory Accreditation	Dietary Supplements	2022				
	ISO 17025/IEC 17025 Resources				2022	
Sample Future Priorities	Veterinary Products	Work Items identified and prioritized annually by CASP Advisory Panel members				
	Terpenes					
	Emergency Response					

SMPRs available on www.aoac.org; Official Methods of Analysis available on www.eoma.aoac.org

¹SMPR 2019.003 specified in USDA Domestic Hemp Production Program Final Rule published January 19, 2021

([Doc. N. AMS-SC-19-0042SC19-990-2 FR](https://www.federalregister.gov/documents/2021/01/19/2021-01444-domestic-hemp-production-program-final-rule))

Coming Soon

Proficiency Testing Program Launch Q4 2022
(cannabinoids, terpenes, moisture, pesticides, heavy metals, and mycotoxins)
[\[more info...\]](#)

ALACC Cannabis Appendix
in the [AOAC Accreditation Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Food, Dietary Supplements, and Pharmaceuticals](#), An Aid to Interpretation of ISO/IEC 17025:2017

2022 CASP Goals

- Maintain **3** working groups on: micro, chemical, and training priorities
- Convene **2** public stakeholder meetings
- Develop and adopt **3** cannabis/hemp-focused *SMPRs*
- Convene **3** Expert Review Panels for the review and adoption of *Official Methods of Analysis*
- Design and host **3** online training webinars
- Launch of newly developed cannabis proficiency testing programs

JOIN THE ADVISORY PANEL¹

The CASP Advisory Panel (AP) is comprised of program supporters who meet quarterly to rank priority work items and monitor progress of the overall program.

AP members are at the forefront of establishing the standards used by method developers, and by AOAC to evaluate methods so that resulting Performance Tested Methods and *Official Methods of Analysis* are fully validated and meet the analytical needs of the community. These AOAC adopted reference methods will result in reliable data to support effective compliance-driven quality control of products and enhance public health.

Join the CASP AP today -- your investment will help ensure the best available science drives public health policy and regulation.

CASP CAPABILITIES

- Forum to reach consensus on science-based issues, i.e., product / commodity specific guidelines, speciation, best practices, sampling
- *Standard Method Performance Requirements (SMPRs)*
- *Performance Tested Methods (PTM)* and *Official Methods of Analysis (OMA)*
- Accredited proficiency testing program
- Reference materials expertise (TDRM)
- Training workshops

2022 CASP Advisory Panel Members

PIONEER	
Deibel Bioscience	MilliporeSigma
SörSE Technology	Supra Research & Development
PARTNER	
Association of Food & Drug Officials	Eurofins Scientific
AFFILIATE	
CEM Corporation	Canopy Growth Corporation
Hygiena	Antylia
Meter Group	PSI Labs
Q Laboratories	Medicinal Genomics
HORIBA Scientific	PerkinElmer
GOVERNMENT	
MD Department of Agriculture	University of CA, Skaggs School of Pharmacy
NV Cannabis Compliance Board	

Annual Dues & Benefits	Voting Advisory Panel Member	Method Validation Training Course*	AOAC PTM Application Fee Discount**	Proficiency Testing Program Discount***	AOAC PTM Consulting Services	Use of AOAC CASP Logo
Pioneer \$10,000	•	20%	10%	10%	\$1,000 discount	•
Partner \$5,000	•	10%	5%	5%		
Affiliate \$2,500	•	5%	2.5%			
Government \$1,000	•	free				

Benefits offered as discounts off retail price for the current year

**Training* discount applicable for a maximum of 2 registrations per organization

***PTM discounts* may be combined with other RI benefits, up to 5 applications

****PT discount* applicable to any program, up to 25 enrollments

CONTACT INFORMATION

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¹NOTE: AOAC INTERNATIONAL cannot accept funding from any organization involved in the cultivation, manufacture, distribution or possession of cannabis as long as it is illegal in the US. (view complete policy: [AOAC Policy on Funding CASP 8/26/2018](#))