

Proficiency Testing/Practice Testing/Certified Reference Material Sample Providers Information Sheet

Maine Department of Health and Human Services, Maine Center for Disease Control and Prevention
Maine Marijuana Certification Program • 286 Water St., 11 SHS • Augusta, ME 04333-0011
(207) 287-4758 • (207) 287-1929 • FAX: (207) 287-4172

Emerald Scientific: (Sells Absolute Standards and NSI Standards, both ISO/IEC 17043 accredited)

<https://emeraldscientific.com/proficiency-tests/>

<https://pt.emeraldscientific.com/>

Cannabis Microbiology Panel 1- Quantitative (and Qual) - Blind Proficiency Test in Hemp (APC, Coliform/E.coli, Yeast/Mold, Enterobacteriaceae).

Cannabis Microbiology Panel 2- Quantitative (and Qual) - Blind Proficiency Test in Hemp (Salmonella).

Mycotoxins – quant - Aflatoxins and Ochratoxin in Hemp.

Metals in Gummy Bears – Blind Proficiency and Practice.

Metals in Hemp Oil and Hemp Bud – Blind Proficiency and Practice.

Water activity in a mix of salts - Blind Proficiency and Practice.

Potency in Hemp Bud, Hemp Oil, Solvent – CBD, CBDA, THCA, THC, CBN - Blind Proficiency and Practice.

Solvent Mixes (CA, OR, WA) in Hemp Oil - Blind Proficiency and Practice. For multiple testing technologies.

Pesticide Mixes (CA, OR, WA) in solvent, Hemp oil, and Hemp Bud - Blind Proficiency and Practice. For multiple testing technologies.

*Plus Certified Reference Materials.

NSI Lab Solutions (ISO/IEC 17043 accredited)

<https://www.nsilabsolutions.com/proficiency-testing/>

Proficiency Tests (studies open twice per year)

Metals in Hemp

Percent Moisture in Hemp

Solvents in Hemp Oil

Enterobacteriaceae/Total Coliform/E.coli/Total Aerobic/Yeast&Mold/Salmonella in Hemp

Absolute Standards Inc (ISO/IEC 17025 and 17043 accredited)

<https://www.absolutestandards.com/?search=go&pt=view&skip=400>

Proficiency Tests: Percent Moisture in Hemp Bud
 Percent Moisture in Hemp Oil
 Percent Moisture in Gummy
 Metals in Gummy Matrix
 Metals in Hemp Matrix
 Metals in Hemp Oil
 Metals in Topical Cream
 Water Activity in Hemp Oil
 Water Activity in Hemp Bud
 Water Activity in Gummy

LGC: (ISO/IEC 17025 and 17043 accredited)

https://us.lgcstandards.com/US/en/Food-and-Beverage/Cannabis-related-compounds/cat/279543?gclid=CjwKCAjwkenqBRBgEiwA-bZVtrg9TLwyR9BIB-reUaD0PO-Vfcutmn-dcZDzss7uu-LpxUuZJ0iZ8xoC6YkQAvD_BwE

Proficiency Tests: Pesticide Mixes in oatmeal, dried tea, fruit & vegetables.
 Aflatoxins and Ochratoxin in solvent, dried fruit.
 Solvent mixtures in oatmeal.
 Metals in dried fruit, cereal, edible oil, As, Hg, Pb also has dried tea.
 Water activity in food products.
 Coliforms, Yeast/Mold, Total Aerobic Count, in Medicinal Herb.

<https://us.lgcstandards.com/US/en/10-Microbiological-testing-Medicinal-Herbs/p/PT-PH-10>

LGC also has standards for pesticide and solvent mixes by various states' requirements.

Phenova: (ISO/IEC 17025 and 17043 accredited)

Does not advertise Marijuana products on web currently, but customers can contact Ty Garber at (866) 942-2978 to get information on available PTs and standards.

<https://www.phenova.com/product/ptoverview>

ASTM

www.astm.org/ptpcannabis

Proficiency Tests: Water activity in whole hemp flower

SigmaAldrich

<https://www.sigmaaldrich.com/analytical-chromatography/food-safety/cannabis-testing.html>

Certified Reference Materials (CRMs) in solvents (Cannabinoids, Pesticides, Aflatoxins, Ochratoxin, Solvents mixtures by class, Metals)

https://www.sigmaaldrich.com/content/dam/sigma-aldrich/docs/Sigma-Aldrich/General_Information/1/cannabis-testing.pdf

Cayman Chemical (ISO/IEC 17025 and 17034 accredited)

<https://www.caymanchem.com/cannabisandhempanalyticalstandards>

Certified Reference Materials (CRMs) in solvents (Cannabinoids, Mycotoxin Mix, and Pesticide Mix)

Restek (ISO/IEC 17025 and 17034 accredited)

<https://www.restek.com/Reference-Standards/Clinical-Forensic-Toxicology-Standards/Cannabis>

Reference Standards in solvents (Cannabinoids, Pesticide Mixes, Mycotoxins, Residual Solvent Mix)



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