



Hemp Proficiency Testing

Hemp proficiency testing studies are designed for your convenience and success



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Spex and NSI Lab Solutions are
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Hemp Proficiency Testing

- 2 studies yearly without order deadlines
- PT Express™ quick turnaround PT studies available year round. Inquire at +1.800.234.7837 or nsi@nsilabsolutions.com
- Simple online reporting with NSI Lab Solutions PT Datalink
- No limits on the number of analysts or number of methods you may report
- Final reports returned within 21 days of the study close



Certificate #: AT-1690



Certificate #: AR-1571



Certificate #: AP-1693-1



10002343 QM08
ISO 9001:2008

Hemp Microbiology Proficiency Tests

Quantitative APC/TVC

Designed for quantitative determination of APC in the range of 500 CFU/gram to 500,000 CFU/gram. Sample supplied as hemp or edible inoculated with several BSL-2 aerobic organisms. Applicable to cultural techniques. Supplied in duplicate for convenience.

Part #	Sample
CMPT-036	in 1 g Hemp
CMPT-036B	PT Express
CMPT-057	in 1 g Edible
CMPT-057B	PT Express

Quantitative Total Coliforms and E. coli

Designed for quantitative determination of Total Coliforms and E. coli in the range of 500 CFU/gram to 500,000 CFU/gram. Sample supplied as hemp or edible inoculated with several BSL-2 aerobic organisms. Applicable to cultural techniques. Supplied in duplicate for convenience.

Part #	Sample
CMPT-037	in 1 g Hemp
CMPT-037B	PT Express
CMPT-038	in 1 g Edible
CMPT-038B	PT Express

Quantitative Bile Tolerant Gram Negative Bacteria

Designed for quantitative determination of BTGN in the range of 500 CFU/gram to 500,000 CFU/gram. Sample supplied as hemp or edible inoculated with several BSL-2 aerobic organisms. Applicable to cultural techniques. Supplied in duplicate for convenience.

Part #	Sample
CMPT-039	in 1 g Hemp
CMPT-039B	PT Express
CMPT-058	in 1 g Edible
CMPT-058B	PT Express

Quantitative Yeast/Mold

Designed for quantitative determination of yeast/mold in the range of 500 CFU/gram to 50,000 CFU/gram. Sample supplied as hemp or edible inoculated with yeast and/or mold. Applicable to cultural techniques. Supplied in duplicate for convenience.

Part #	Sample
CMPT-040	in 1 g Hemp
CMPT-040B	PT Express
CMPT-059	in 1 g Edible
CMPT-059B	PT Express

Qualitative Salmonella

A five sample set. At least 2 of 5 samples will test positive for the target microorganism. Acceptable evaluation requires at least 4 of 5 recorded correctly with no false negatives. Can be used for cultural and/or molecular test methods.

Part #	Sample
CMPT-025	in Hemp
CMPT-025B	PT Express
CMPT-026	in Edible
CMPT-026B	PT Express
CMPT-027	in OIL
CMPT-027B	PT Express

Qualitative STEC

A five sample set. At least 2 of 5 samples will test positive for one of the target microorganisms (O26,O45,O103, O111, O121 or O145). Acceptable evaluation requires at least 4 of 5 recorded correctly with no false negatives. Can be used for cultural and/or molecular test methods.

Part #	Sample
CMPT-028	in Hemp
CMPT-028B	PT Express
CMPT-029	in Edible
CMPT-029B	PT Express
CMPT-030	In Oil
CMPT-030B	PT Express

Qualitative Aspergillus Molds

A five sample set. At least 2 of 5 samples will test positive for one of the target microorganisms (*A. flavus*, *A. fumigatus*, *A. niger*, *A. terreus*). Acceptable evaluation requires at least 4 of 5 recorded correctly with no false negatives. Can be used for cultural and/or molecular test methods.

Part #	Sample
CMPT-031	in Hemp
CMPT-031B	PT Express
CMPT-032	in Edible
CMPT-032B	PT Express
CMPT-033	In Oil
CMPT-033B	PT Express

Qualitative S. aureus

A five sample set. At least 2 of 5 samples will test positive for the target microorganism. Acceptable evaluation requires at least 4 of 5 recorded correctly with no false negatives. Can be used for cultural and/or molecular test methods.

Part #	Sample
CMPT-067	in Hemp
CMPT-067B	PT Express
CMPT-068	in Edible
CMPT-068B	PT Express
CMPT-069	In Oil
CMPT-069B	PT Express

Qualitative *L. monocytogenes*

A five sample set. At least 2 of 5 samples will test positive for the target microorganism. Acceptable evaluation requires at least 4 of 5 recorded correctly with no false negatives. Can be used for cultural and/or molecular test methods.

Part #	Sample
CMPT-064	in Hemp
CMPT-064B	PT Express
CMPT-065	in Edible
CMPT-065B	PT Express
CMPT-066	In Oil
CMPT-066B	PT Express

Qualitative *P. aeruginosa*

A five sample set. At least 2 of 5 samples will test positive for the target microorganism. Acceptable evaluation requires at least 4 of 5 recorded correctly with no false negatives. Can be used for cultural and/or molecular test methods.

Part #	Sample
CMPT-070	in Hemp
CMPT-070B	PT Express
CMPT-071	in Edible
CMPT-071B	PT Express
CMPT-072	In Oil
CMPT-072B	PT Express

Qualitative *E. coli*

A five sample set. At least 2 of 5 samples will test positive for the target microorganism. Acceptable evaluations requires at least 4 of 5 recorded correctly with no false negatives. Can be used for cultural and/or molecular test methods.

Part #	Sample
CMPT-034	in Hemp
CMPT-034B	PT Express

Qualitative *E. coli* 0517:H7

A five sample set. At least 2 of 5 samples will test positive for the target microorganism. Acceptable evaluations require reporting at least 4 of 5 correct with no false negatives. Can be used for cultural and/or molecular test methods.

Part #	Sample
CMPT-035	in Hemp
CMPT-035B	PT Express

Hemp Chemistry Proficiency Tests

Quantitative Pesticides

Sample set supplied as blank matrix and certified spiking solution. Adequate matrix mass and spiking solution volume provided for 2 analyses. At least 25% of BCC pesticide list will be present per study.

Part #	Sample
CMPT-043	in Hemp
CMPT-043B	PT Express
CMPT-063	in Edible
CMPT-063B	PT Express
CMPT-062	In Oil
CMPT-062B	PT Express

Quantitative Mycotoxins

Quantitative determination of Ochratoxin A and Total Aflatoxin (B1, B2, G1, and G2). Sample set supplied as blank matrix and certified spiking solution. Adequate matrix mass and spiking solution volume provided for 2 analyses. Each PT will contain Ochratoxin A and 2 of the 4 possible Aflatoxins.

Part #	Sample
CMPT-042	in Hemp
CMPT-042B	PT Express
CMPT-060	in Edible
CMPT-060B	PT Express
CMPT-061	In Oil
CMPT-061B	PT Express

Moisture in Hemp

Designed for quantitative determination of % moisture in hemp. 500 mg hemp in single use vials, supplied in duplicate for convenience.

Part #
CMPT-022
CMPT-022B

Residual Solvents in Oil

Supplied in hemp oil. Provided in duplicate. At least 40% of Florida residual solvents list will be randomly included in each study.

Part #
CMPT-018
CMPT-018B

TCH Potency

Supplied as a set including blank matrix and a certified spiking solution. Samples to be evaluated for THCA, delta-8-Tetrahydrocannabinidiol, delta-9-Tetrahydrocannabinidiol, and Total THC. **USDEA Exempt.**

Part #	Sample
CMPT-082	in Hemp
CMPT-082B	PT Express
CMPT-084	in Edible
CMPT-084B	PT Express
CMPT-083	In Oil
CMPT-083B	PT Express

Potency

Supplied as a set including blank matrix and a certified spiking solution. Samples to be evaluated for THC, THCA, CBD, CBDA, CBGA, CBG, CBN, CBC, THCV, CBDV, delta-8-Tetrahydrocannabinidiol, and delta-9-Tetrahydrocannabinidiol.

USDEA Exempt.

Part #	Sample
CMPT-023	in Hemp
CMPT-023B	PT Express
CMPT-076	in Edible
CMPT-076B	PT Express
CMPT-077	In Oil
CMPT-077B	PT Express

Water Activity

Designed for quantitative determination of water activity. Samples are supplied as real world matrix samples: hemp, edible and oil. Provided in duplicate for convenience.

Part #	Sample
CMPT-021	in Hemp
CMPT-021B	PT Express
CMPT-078	in Edible
CMPT-078B	PT Express
CMPT-081	In Oil
CMPT-081B	PT Express

Heavy Metals in Hemp

A natural hemp matrix to be analyzed for As, Cd, Cr, Cu, Hg, Ni, and Pb. Supplied in an HDPE bottle with enough mass for at least two analyses.

Part #
CMPT-020
CMPT-020B

Terpenes

Sample set supplied as a blank matrix and a certified spiking solution containing at least 8 terpenes per study.

Part #	Sample
CMPT-024	in Hemp
CMPT-024B	PT Express
CMPT-080	in Oil
CMPT-080B	PT Express

Filth/Extraneous Materials

A five sample set of hemp. At least 2 of 5 samples of each set will test positive for filth and extraneous material. Designed for visual or low power microscopic examination, (10x to 40x).

Part #	Sample
CMPT-047	in Hemp
CMPT-047B	PT Express

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