

Hemp Proficiency Testing

Innovative Controls to Support Data Quality



NSI Lab Solutions Hemp PT studies are designed for your convenience and your success.

- 2 studies yearly without order deadlines.
 - PT Express™ quick turnaround PT studies available.
 - Simple on-line reporting with no limits on the number of analysts or number of methods that you may report.
 - Final reports returned within 21 days of the study close.
- Inquire at 1-800-234-7837 or nsi@nsilabsolutions.com.

Hemp Microbiology Proficiency Tests

Quantitative APC/TVC

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

Part#: CMPT-036 in 1g Hemp
Part#: CMPT-057 in 1g Edible

Quantitative BTGN

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

Part#: CMPT-039 in 1g Hemp
Part#: CMPT-058 in 1g Edible

Quantitative Total Coliforms and E.coli

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

Part#: CMPT-037 in 1g Hemp
Part#: CMPT-038 in 1g Edible

Quantitative Yeast/Mold

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

Part#: CMPT-040 in 1g Hemp
Part#: CMPT-059 in 1g Edible

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#: CMPT-025 in Hemp
Part#: CMPT-026 in Edible
Part#: CMPT-027 in Oil

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#: CMPT-031 in Hemp
Part#: CMPT-032 in Edible
Part#: CMPT-033 in Oil

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#: CMPT-064 in Hemp
Part#: CMPT-065 in Edible
Part#: CMPT-066 in Oil

Qualitative E. coli

A 5 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#: CMPT-034 in Hemp

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#: CMPT-028 in Hemp
Part#: CMPT-029 in Edible
Part#: CMPT-030 in Oil

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#: CMPT-067 in Hemp
Part#: CMPT-068 in Edible
Part#: CMPT-069 in Oil

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#: CMPT-070. in Hemp
Part#: CMPT-071. in Edible
Part#: CMPT-072 in Oil

Qualitative E. coli O157:H7

A 5 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#: CMPT-035 in Hemp

2020 Hemp Study Schedule

Study#: HEMP-0320	Opens March 16	Closes April 29
Study#: HEMP-0920	Opens Sept. 14	Closes Oct. 28

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#: CMPT-043 in Hemp
Part#: CMPT-063 in Edible
Part#: CMPT-062 in Oil

Cannabinoid Profile – No THC

Real world matrix samples for determination of Cannabinoids. Samples are evaluated for CBD, CBDA, CBG, CBN, CBC, CBGA and CBDV. Provided in duplicate for convenience. USDEA Exempt

Part#: CMPT-074 in Hemp
Part#: CMPT-079 in Edible
Part#: CMPT-075 in Oil

Moisture in Hemp

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

Part#: CMPT-022

Water Activity

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

Part#: CMPT-021 in Hemp
Part#: CMPT-078 in Edible
Part#: CMPT-081 in Oil

Heavy Metals in Hemp

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

Part#: CMPT-020

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

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#: CMPT-042 in Hemp
Part#: CMPT-060 in Edible
Part#: CMPT-061 in Oil

Terpenes

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

Part#: CMPT-024 in Hemp
Part#: CMPT-080 in Oil

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-Tetrahydrocannabinol and delta-9-Tetrahydrocannabinol. USDEA Exempt.

Part#: CMPT-023 in Hemp
Part#: CMPT-076 in Edible
Part#: CMPT-077 in Oil

Filth/Extraneous Materials

A 5 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#: CMPT-047 in Hemp

2020 Hemp Study Schedule

Study#: HEMP-0320	Opens March 16	Closes April 29
Study#: HEMP-0920	Opens Sept. 14	Closes Oct. 28

Check Out Our Website, www.nsilabsolutions.com,
For Our Hemp Certified Reference Materials & Detailed Product Information



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Certificate #: AR-1571



Certificate #: AP-1693