



Kappa Laboratories, Inc.

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LABORATORY REPORT

CLIENT: Alaska Cold Brew
Attn: Michael Gesser
4001 Geist Rd.
Fairbanks, AK 99709

DATE REPORTED: 09/04/2026

SAMPLE RECEIVED: 02/27/2026, 1:37 PM
TEMP RECEIVED: 23.6°C
CONDITION: Normal
RECEIVED FROM: Client

JOB #: 85063
SAMPLE LOG #: 254126

Accelerated Shelf Life Testing:

The product was subjected to twenty four (24) weeks of incubation at 35 degrees centigrade, which would be equivalent to approximately two years of normal shelf life. Microbiological sampling and preparation was carried out according to the AOAC Methods 46.013. The following tests were performed according to the AOAC methods cited

Total Aerobic Count (Aerobic Plate Count): FDA Bacteriological Analytical Manual (BAM), 8th Ed, Ch 3, 1998.

Coliform Count & E.coli: AOAC, 17th Edition Chapter 17, Section 966.23 – 966.24. FDA Bacteriological Analytical Manual (BAM), 8th Edition, Chapter 4, 1998.

Staphylococcus aureus: AOAC, 17th Edition Chapter 17, Section 975.55 & 987.09. FDA Bacteriological Analytical Manual (BAM), 8th Edition, Chapter 12, 1998

Total Mold Count (Aerobic Plate Count): FDA Bacteriological Analytical Manual (BAM), 8th Ed, Ch 18, 1998

PCR Salmonella spp and Cultural Confirmation: SOP 1.1, AOAC – RI 051303

PCR Listeria spp. and Cultural Confirmation: SOP 2.2, 2.2, AOAC – RI 071304

PCR Listeria monocytogenes and Cultural Confirmation: SOP 2.1, 2.2, AOAC – RI 061302

RESULTS

Test Time #1 – Initial

<u>Alaska Cold Brew Chaga Mushrooms: Ethiopian Yirgacheffe Double Espresso</u>	
Product Analysis Time = 02/03/2026	
Total Plate Count	<100 cts / gm
Coliforms	<3.0 MPN / gm
E.coli	<3.0 MPN / gm
Staphylococcus aureus	<100 cts / gm
Mold/Yeast	<100 cts / gm
PCR Salmonella spp.	Negative / 25 gm
PCR Listeria spp.	Negative / 25 gm
(Triple Tube Method for Coliforms)	

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Test Time #2 – 1 Month

<u>Alaska Cold Brew Chaga Mushrooms: Ethiopian Yirgacheffe Double Espresso</u>	
Product Analysis Time = 03/27/2026	
Total Plate Count	<100 cts / gm
Coliforms	<3.0 MPN / gm
E.coli	<3.0 MPN / gm
Staphylococcus aureus	<100 cts / gm
Mold/Yeast	<100 cts / gm
(Triple Tube Method for Coliforms)	

Test Time #3 – 2 Months

<u>Alaska Cold Brew Chaga Mushrooms: Ethiopian Yirgacheffe Double Espresso</u>	
Product Analysis Time = 04/27/2026	
Total Plate Count	<100 cts / gm
Coliforms	<3.0 MPN / gm
E.coli	<3.0 MPN / gm
Staphylococcus aureus	<100 cts / gm
Mold/Yeast	<100 cts / gm
(Triple Tube Method for Coliforms)	

Test Time #4 – 3 Months

<u>Alaska Cold Brew Chaga Mushrooms: Ethiopian Yirgacheffe Double Espresso</u>	
Product Analysis Time = 05/27/2026	
Total Plate Count	<100 cts / gm
Coliforms	<3.0 MPN / gm
E.coli	<3.0 MPN / gm
Staphylococcus aureus	<100 cts / gm
Mold/Yeast	<100 cts / gm
(Triple Tube Method for Coliforms)	

Test Time #5 – 4 Months

<u>Alaska Cold Brew Chaga Mushrooms: Ethiopian Yirgacheffe Double Espresso</u>	
Product Analysis Time = 06/29/2026	
Total Plate Count	<100 cts / gm
Coliforms	<3.0 MPN / gm
E.coli	<3.0 MPN / gm
Staphylococcus aureus	<100 cts / gm
Mold/Yeast	<100 cts / gm
(Triple Tube Method for Coliforms)	

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Test Time #6 – 5 Months

<u>Alaska Cold Brew Chaga Mushrooms: Ethiopian Yirgacheffe Double Espresso</u>	
Product Analysis Time = 07/27/2026	
Total Plate Count	<100 cts / gm
Coliforms	<3.0 MPN / gm
E.coli	<3.0 MPN / gm
Staphylococcus aureus	<100 cts / gm
Mold/Yeast	<100 cts / gm
(Triple Tube Method for Coliforms)	

Test Time #7 – 6 Months

<u>Alaska Cold Brew Chaga Mushrooms: Ethiopian Yirgacheffe Double Espresso</u>	
Product Analysis Time = 08/27/2026	
Total Plate Count	<100 cts / gm
Coliforms	<3.0 MPN / gm
E.coli	<3.0 MPN / gm
Staphylococcus aureus	<100 cts / gm
Mold/Yeast	<100 cts / gm
(Triple Tube Method for Coliforms)	

Note: Less than (<) sign indicates Negative growth for those bacteria at the lowest level expressed. For example, <10 cts per gram would indicate Negative, or no growth, for the bacteria at a concentration of 1:10; if the bacteria is present it is less than this concentration.

Based upon the Microbiological results of the sample listed above and insofar as the analyses performed were able to assay for the presence or absence of specific pathogens, the product represented by the sample analyzed would appear to be **wholesome and fit for human consumption** for approximately two (2) years.

Normal sample retention time is 2 weeks, unless the lab is notified in writing to hold samples once the testing is performed. Laboratories results apply to the sample (s) as received.

Kappa Laboratories has been inspected and previously recognized by the U.S. Department of Agriculture (USDA Microbiology-#0093, Chemistry-#1282); Registered with the U.S. Food and Drug Administration (FDA-#1039390) and is an FDA Accepted Laboratory for Import Testing. Kappa Laboratories is currently a Contract Laboratory to the U.S. Centers for Disease Control (CDC), Atlanta, Georgia; Vessel Sanitation Program and is U.S. Dept. of Homeland Security, U.S. Coast Guard Recognized Facility.

Signed: _____

Dr. Peter J. Kmiec

Director, Kappa Laboratories, Inc.