



Testing Facility License #: TF-A25-000006-01



Cannabis Flower Quality Assurance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 07 AUG 2026

CERTIFICATE NUMBER: 2607010001

REVISION # 1.0

SAMPLE DETAILS

PRODUCT TYPE	Cannabis	MANIFEST NUMBER	0000100712	REQUEST NUMBER:	MCBR-2607-010
SAMPLE NAME:	Lakeside Canna - Cotton Candy	DATE COLLECTED:	NA	SAMPLES ACCEPTED INTO TEST ON:	10-Jul-26
MATRIX TYPE:	Infused Pre-Roll	DATE RECEIVED IN METRC	8-Jul-26	DATE ASSIGNED TO THE LAB:	10-Jul-26

SAMPLE DETAILS

FULL TAG NUMBER:	1A45003000005DD000006560
LAST 4 DIGITS TAG NUMBER:	6560
STRAIN ID/BATCH NUMBER:	LSCMPCC-0726
LAB SAMPLE ID:	2607010-001
LAB SAMPLE SIZE:	150x0.5g Pre-Rolls

TESTED FOR:

BUSINESS NAME	North Star Canna
ADDRESS	16720 200th St. E Hastings, MN 55033
LICENSE NUMBER	ML0001

ANALYSIS TYPE: (Check all that applies)

R&D	NO	(YES/NO)
COMPLIANCE	YES	(YES/NO)
REANALYSIS	NO	(YES/NO)
RETEST	NO	(YES/NO)

CANNABINOID ANALYSIS - Summary

TOTAL THC CONTENT (%)	23.511	Reported Total THC (and other Total cannabinoids) values include the standard 0.877 conversion factor to account for the conversion of acidic cannabinoids (e.g., THCA) to their neutral forms (e.g., THC); no further calculation is required. The following are example calculations and definitions that have been applied; Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step: Total THC (Δ9-THC + (0.877*THCa)) Total CBD (CBD + (0.877*CBDA)) Total Other Known Cannabinoids = [Total CBG (CBG + 0.877*CBGa)] + [Total THCV (THCV + 0.877*THCVA)] + [Total CBC (CBC + 0.877*CBCa)] + [Total CBDV (CBDV + 0.877*CBDVa)]... for the remaining 12 targeted cannabinoids, not including THC, THCA, CBD, CBDA. Means unidentified, tentatively identified, or unknown cannabinoids or related substances that not among the 14 targeted cannabinoids. Total Unknown Compounds have estimated concentration determined based on peak area comparison to the CBD calibration curve.
TOTAL CBD CONTENT (%)	0.037	
TOTAL OTHER KNOWN CANNABINOIDS: (%)	1.05	
TOTAL UNKNOWN SUBSTANCES: (%)	0.148	

SAFETY ANALYSIS - Summary

Potency	TESTED
Heavy Metals	PASS
Microbiology	PASS
Water Activity	PASS
Foreign Particulate Matter	PASS
Residual Solvents	PASS
Mycotoxins	PASS
Pesticides	PASS
Terpenes	NT
Homogeneity Testing	NA
Stability Testing	Initial(TO)

For quality assurance purposes. These results relate only to the samples included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: XXX

APPROVAL BY: Henry Larmie, PHD

JOB TITLE: CEO

DATE: 07 AUG 2026

SIGNATURE:

RELEASED BY: Zarrar Khan

JOB TITLE: QAC II

DATE: 07 Aug 2026

SIGNATURE:

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications. FAIL - Results exceed limits/specifications.

All specifications/Limits for Pass/Fail are referenced from Minnesota OCM, Technical Authority: Standards and Sampling, current version.

References: limits of detection (LOD), limits of qualifications (LOQ), not detected (ND), not tested (NT) µg/g = ppm, µg/kg = ppb, too numerous to count > 250cfu/plate (TNTC), colony forming unit (cfu)

Disclaimer: Not all potential hazards were evaluated.

Note: Test Results apply to Samples as received.



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6560									
MANIFEST NO.:		0000100712		LAB SAMPLE ID:		2607010-001		STRAIN/BATCH NO.:	
LSCMPCC-0726									



Cannabinoid Analysis

TEST INITIATED ON 21-Jul-26

TEST COMPLETED ON 4-Aug-26

Tested by high-performance liquid chromatography with uv detection (HPLC-UV).

TEST METHOD: CLTM-MCB11
REVISION NO.: 1.0

TEST SAMPLE AMOUNT 3.1 (5 Mini-PR) g

ORIGINAL TEST ☒
RE-ANALYSIS ☐
REMEDATION ☐

NOTEBOOK REF. NO. 20175 p 74

KNOWN CANNABINOIDS: Name	CANNABINOID Abbreviation	RRT (wrt THC)	MEASUREMENT UNCERTAINTY (%)	LOD/LOQ	*RESULT (%)
Δ9Tetrahydrocannabinol	Δ9THC	1.00	NA	NA	9.202
Tetrahydrocannabinolic acid	THCa	1.16	NA	NA	14.309
Cannabidiol	CBD	0.76	NA	0.0085/0.026	0.037
Cannabidiolic acid	CBDa	0.70	NA	0.0085/0.026	ND
Cannabidivarinic acid	CBDVA	0.46	NA	0.0085/0.026	<QL
Cannabidivarin	CBDV	0.49	NA	0.0085/0.026	ND
Tetrahydro-cannabivarin	THCV	0.74	NA	0.0085/0.026	ND
Cannabigerol	CBG	0.78	NA	0.0085/0.026	0.252
Cannabigerolic Acid	CBGA	0.81	NA	0.0085/0.026	0.262
Tetrahydrocannabivarin acid	THCVa	0.90	NA	0.0085/0.026	0.036
Cannabinol	CBN	0.93	NA	0.0085/0.026	0.291
Δ8Tetrahydrocannabinol	Δ8THC	1.03	NA	0.0085/0.026	ND
Cannabichromene	CBC	1.11	NA	0.0085/0.026	0.131
Cannabichromenic acid	CBCa	1.22	NA	0.0085/0.026	0.078

TOTAL THC/THCA 23.511%
Total THC = (Δ9- THC + (0.877*THCa))

TOTAL CBD/CBDA 0.04%
Total CBD =(CBD+(0.877*CBDA))

TARGET LIMIT: Report Results

*Reported results are calculated after decarboxylation. Results were revised to reflect the subtraction of the pre-roll paper portion from the total weight of the pre-roll.

TOTAL OTHER KNOWN CANNABINOIDS : 1.050 %
Sum of all known (identified) cannabinoids not including THC/THCA, CBD/CBDA

TOTAL UNKNOWN SUBSTANCES: 0.148 %
Sum of unidentified, tentatively Identified, unknown cannabinoids or related substances

CANNABINOID PURITY NT %
The ratio by weight of delta-9-THC to all other artificially derived cannabinoids must be no less than 20 to 1 (at least 95% delta-9-THC)



Water Activity Analysis

Water activity analysis conducted via water activity meter

TEST METHOD NO.: CLTM-MCB10
REVISION NO.: 3.0

NOTEBOOK REF. NO. 20174, p. 81

TEST	LOD/LOQ (aw)	ACTION LIMIT (aw)	MEASUREMENT UNCERTAINTY (aw)	RESULT (aw)	PASS/FAIL
Water Activity	0.25/0.50	0.65	±0.004	0.392	PASS
TEST SAMPLE AMOUNT 0.8691 g					
TEST INITIATED ON: 10-Jul-26 TEST COMPLETED ON: 10-Jul-26					
ORIGINAL TEST ☐ RE-ANALYSIS ☐ RE-TEST ☐					



Foreign Particulate Matter Analysis

Foreign particulate matter analysis conducted via visual inspection.

TEST METHOD NO.: CLTM-MCB08
Rev., Effective Date: 2.0

NOTEBOOK REF. NO. 20180, p. 68

TEST	LOD/LOQ (g)	ACTION LIMITS (% w/w)	MEASUREMENT UNCERTAINTY (% w/w)	RESULT (% w/w)	PASS/FAIL
Foreign Matter (Organic)	0.002/0.03	5	±0.6	ND	PASS
Foreign Matter (Inorganic)	0.002/0.03	1	±0.0004	ND	PASS
TEST SAMPLE AMOUNT 422.89 g					
TEST INITIATED ON: 14-Jul-26 TEST COMPLETED ON: 14-Jul-26					
ORIGINAL TEST ☐ RE-ANALYSIS ☐ REMEDIATION ☐					

Additional Notes: Test Sample Amount Weight Includes Packaging



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DATE ISSUED

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REVISION #

1.0

REQUEST NO.: MCBR-2607-010

SAMPLE NAME: Lakeside Canna - Cotton Candy

LAST 4 DIGITS TAG NO.: 6560

MANIFEST NO.: 0000100712

LAB SAMPLE ID: 2607010-001

STRAIN/BATCH NO.: LSCMPCC-0726



Pesticide Analysis

PESTICIDE TEST RESULTS:

15-Jul-26

Pesticide and plant growth regulator analysis
utilizing high-performance liquid
chromatography-mass spectrometry (LC-MS/MS)

TEST METHOD: CLTM-MCB26
REVISION NO. 1.0

TEST SAMPLE AMOUNT: 0.5 g

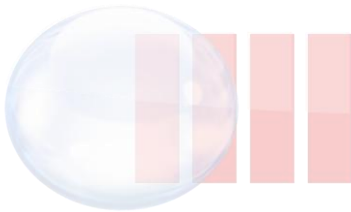
NOTEBOOK REF. NO. 20182p.77

ORIGINAL TEST ☒
RE-ANALYSIS ☐
REMEDIATION TEST ☐

Additional Notes:

ND - Not detected
a,b includes isomers

COMPOUND	LOD/LOQ (ppm)	ACTION LIMIT (ppm)	MEASUREMENT UNCERTAINTY (ppm)	RESULT (ppm)	PASS/FAIL
Abamectin	0.05/0.1	0.5	0.005	ND	PASS
Acephate	0.02/0.05	0.4	0.0025	ND	PASS
Acequinocyl	0.02/0.01	2.0	0.0005	<LOQ	PASS
Acetamiprid	0.01/0.01	0.2	0.0005	ND	PASS
Azadirachtin	0.1/0.25	1.0	0.0125	ND	PASS
Azoxystrobin	0.01/0.02	0.2	0.001	ND	PASS
Bifenazate	0.02/0.05	0.2	0.0025	ND	PASS
Bifenthrin	0.01/0.05	0.2	0.0025	ND	PASS
Boscalid	0.02/0.05	0.4	0.0025	ND	PASS
Carbaryl	0.01/0.02	0.2	0.001	ND	PASS
Chlorantraniliprole	0.01/0.02	0.2	0.001	ND	PASS
Chlorfenapyr	0.1/0.25	1.0	0.0125	ND	PASS
Chloromequat Chloride	0.1/0.1	0.2	0.005	ND	PASS
Clorpyrifos (Dursban)	0.02/0.05	0.2	0.0025	ND	PASS
Clofentezine	0.02/0.05	0.2	0.0025	ND	PASS
Cyfluthrin	0.1/0.25	1.0	0.0125	ND	PASS
Cypermethrin	0.05/0.1	1.0	0.005	ND	PASS
Daminozide	0.05/0.1	1.0	0.005	ND	PASS
Diazinon	0.01/0.02	0.1	0.001	ND	PASS
Dichlorvos (DDVP)	0.02/0.05	0.2	0.0025	ND	PASS
Dimethoate	0.05/0.1	0.2	0.005	ND	PASS
Etofenprox	0.02/0.05	0.4	0.0025	ND	PASS
Etozazole	0.02/0.05	0.2	0.0025	ND	PASS
Fenoxycarb	0.01/0.02	0.2	0.001	ND	PASS
Fenproximate	0.02/0.05	0.4	0.0025	ND	PASS
Fipronil	0.05/0.1	0.4	0.005	ND	PASS
Flonicamid	0.05/0.1	1.0	0.005	ND	PASS
Fludioxonil	0.1/0.1	0.4	0.005	ND	PASS
Hexythiazox	0.02/0.05	1.0	0.0025	ND	PASS
Imazalil	0.05/0.1	0.2	0.005	ND	PASS
Imidacloprid	0.05/0.1	0.4	0.005	ND	PASS
Kresoxim-methyl	0.01/0.02	0.4	0.001	ND	PASS
Malathion	0.01/0.02	0.2	0.001	ND	PASS
Metaxyl	0.02/0.05	0.2	0.0025	ND	PASS
Methiocarb	0.01/0.02	0.2	0.001	ND	PASS
Methomyl	0.01/0.02	0.4	0.001	ND	PASS
Myctobutanil	0.02/0.1	0.2	0.005	ND	PASS
Naled	0.05/0.1	0.5	0.005	ND	PASS
Oxamyl	0.01/0.02	1.0	0.001	ND	PASS
Paclobutrazol	0.01/0.02	0.4	0.001	ND	PASS
Permethrins ^a	0.05/0.1	0.3	0.005	ND	PASS
Phosmet	0.01/0.02	0.2	0.001	ND	PASS
Piperonyl Butoxide	0.02/0.05	2.0	0.0025	ND	PASS
Prallethrin	0.02/0.05	0.2	0.0025	ND	PASS
Propiconazole	0.05/0.1	0.4	0.005	ND	PASS
Propoxur	0.02/0.05	0.2	0.0025	ND	PASS
Pyrethrins ^b	0.02/0.05	1.0	0.0025	ND	PASS
Pyridaben	0.02/0.05	0.2	0.0025	ND	PASS
Spinosad	0.05/0.1	0.2	0.005	ND	PASS
Spiromesifen	0.02/0.05	0.2	0.0025	ND	PASS
Spirotetramat	0.02/0.05	0.2	0.0025	ND	PASS
Tebuconazole	0.02/0.05	0.4	0.0025	ND	PASS
Thiamethoxam	0.02/0.05	0.2	0.0025	ND	PASS
Trifloxystrobin	0.02/0.05	0.2	0.0025	ND	PASS





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REQUEST NO.: MCBR-2607-010

SAMPLE NAME: Lakeside Canna - Cotton Candy

LAST 4 DIGITS TAG NO.: 6560

MANIFEST NO.: 0000100712

LAB SAMPLE ID: 2607010-001

STRAIN/BATCH NO.: LSCMPCC-0726



MICROBIOLOGY ANALYSIS

RESULTS:

TEST INITIATED ON

13-Jul-26

COMPLETED ON

16-Jul-26

Plate count analysis conducted by dilution and colony forming unit (CFU) enumeration for microbial contaminant isolation.

TEST METHOD

CLTM-MCB20

Revision No.

2.0

MICROBIAL TARGET

SAMPLE AMOUNT
(g)

ACTION LIMIT

RESULT

PASS/FAIL

Salmonella	9.6	Not detected in 10g	Not Detected	PASS
Shiga toxin-producing Escherichia coli (O157:H7)	9.6	Not detected in 10g	Not Detected	PASS
Enterobacteriaceae	9.6	<10 ³ CFU/g	Not Detected	PASS
		ORIGINAL TEST	RE-ANALYSIS	RE-TEST

TEST METHOD

CLTM-MCB39

Revision No.

2.0

TEST METHOD

CLTM-MCB38

Revision No.

2.0

MICROBIAL TARGET

SAMPLE AMOUNT
(g)

ACTION LIMIT

RESULT

PASS/FAIL

Aspergillus spp.	9.6	Not detected in 10g	Not Detected	PASS
Listeria monocytogenes	NA	NA	NA	NT
		ORIGINAL TEST	RE-ANALYSIS	RE-TEST



TEST METHOD

CLTM-MCB37

Revision No.

2.0

TEST METHOD

CLTM-MCB37

Revision No.

2.0

MICROBIAL TARGET

SAMPLE AMOUNT
(g)

ACTION LIMIT

RESULT

PASS/FAIL

Total Aerobic Microbial Count (TAMC)	9.6	<10 ⁵ CFU/g	9 x 10 ³ CFU/g	PASS
Total Yeast & Mold Count (TYMC)	9.6	<10 ⁵ CFU/g	<10 ⁵ CFU/g	PASS
		ORIGINAL TEST	RE-ANALYSIS	RE-TEST

NOTEBOOK REF. NO.

NB 20170 pg 86

NOTEBOOK REF. NO.

NT

Comments:

Note: The expanded measure uncertainty for TAMC is ± 0.132 log₁₀ CFU/g (k=2), and for TYMC is ± 0.130 log₁₀ CFU/g (k=2), estimated from historical QC test data. The reported result represents the mean count expressed in CFU/g.



HEAVY METALS ANALYSIS

RESULTS:

TEST INITIATED ON

14-Jul-26

TEST COMPLETED ON

15-Jul-26

Heavy metals analysis by inductively coupled plasma-mass spectrometry (ICP-MS)

TEST METHOD:

CLTM-MCB07

REVISION NO.

4.0

COMPOUND

LOD/LOQ
(ppm)ACTION LIMIT
(ppm)MEASUREMENT
UNCERTAINTY (ppm)RESULT
(ppm)

PASS/FAIL

Arsenic	0.08/0.1	0.2	0.02	ND	PASS
Cadmium	0.08/0.1	0.2	0.02	ND	PASS
Lead	0.08/0.1	0.5	0.06	<LOQ	PASS
Mercury	0.05/0.1	0.1	0.01	ND	PASS

NOTEBOOK REF. NO.

20185 p. 77

SAMPLE AMOUNT USED:

0.5307

g

ORIGINAL TEST

☒

RE-ANALYSIS

☐

REMEDICATION TEST

☐

Comments:





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CERTIFICATE NUMBER:

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DATE ISSUED 07 AUG 2026

REVISION # 1.0

REQUEST NO.: MCBR-2607-010

SAMPLE NAME: Lakeside Canna - Cotton Candy

LAST 4 DIGITS TAG NO.: 6560

MANIFEST NO.: 0000100712

LAB SAMPLE ID: 2607010-001

STRAIN/BATCH NO.: LSCMPCC-0726



MYCOTOXIN ANALYSIS

RESULTS:

TEST INITIATED ON

13-Jul-26

COMPLETED ON

15-Jul-26

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS)

TEST METHOD: CLTM-MCB26

REVISION NO. 1.0

TEST SAMPLE AMOUNT: 0.5 g

NOTEBOOK REF. NO. 20182p.77

ORIGINAL TEST



RE-ANALYSIS



REMEDATION



COMPOUND

LOD/LOQ
(ppb)ACTION LIMIT
(ppb)MEASUREMENT
UNCERTAINTY (ppb)RESULT
(ppb)

PASS/FAIL

Aflatoxin B1	4	≤ 5	0.2	ND	PASS
Aflatoxin B2	10	≤ 20	0.5	ND	PASS
Aflatoxin G1	10	≤ 20	0.5	ND	PASS
Aflatoxin G2	10	≤ 20	0.5	ND	PASS
Ochratoxin A	10	≤ 20	0.5	ND	PASS
Total Aflatoxins	10	≤ 20	0.5	ND	PASS

Additional Notes

ND - Not Detected



RESIDUAL SOLVENTS SCREENING

RESULTS:

TEST INITIATED ON

14-Jul-26

TEST COMPLETED ON

16-Jul-26

Residual Solvent analysis gas chromatography-Flame Ionization Detection (GC-FID)

TEST METHOD: CLTM-MCB06

REVISION NO. 2.0

TEST SAMPLE AMOUNT: 1.8063 g

ORIGINAL TEST



RE-ANALYSIS



REMEDATION



NOTEBOOK REF. NO. 20188 p 49-50

RESIDUAL
SOLVENTSCREENING LIMIT
(ppm)INHALATION LIMIT
(ppm)LOD/LOQ
(ppm)RESULT
(ppm)

DET/ND/NT

Acetone	600	750	480	ND	ND
Benzene	0.5	1	0.4	< SL	DET
Butane	250	800	250	< SL	DET
Chloroform*	0.9	1	0.7	≥ SL	DET
Cyclohexane	243	300	194	< SL	DET
Dichloromethane	88	125	70	< SL	DET
Ethanol	30	1000	24	< SL	DET
Ethyl Acetate	300	400	240	< SL	DET
Heptane	200	500	160	< SL	DET
Hexane	44	50	35	ND	ND
Isopropanol*	400	500	320	≥ SL	DET
Methanol	200	250	160	< SL	DET
Pentane	10	750	8	< SL	DET
Propane	250	2100	250	< SL	DET
Toluene	111	150	88	< SL	DET
Trichloroethene	15	25	12	ND	ND
Total Xylenes	110	150	88	< SL	DET

RESIDUAL SOLVENTS QUANTITATIVE ANALYSIS

TEST METHOD: CLTM-MCB18D

REVISION NO. 0.0

TEST SAMPLE AMOUNT: 1.4542 g

ORIGINAL TEST



RE-ANALYSIS



REMEDATION

RESIDUAL
SOLVENTLOD/LOQ
(ppm)ACTION LIMIT
(ppm)MEASUREMENT
UNCERTAINTY (ppm)RESULT
(ppm)

PASS/FAIL

Chloroform	0.010/0.013	1	NT	ND	PASS
Isopropanol	6/7	500	NT	< MDL	PASS
NA	NA	NA	NA	NA	NT
NA	NA	NA	NA	NA	NT
NA	NA	NA	NA	NA	NT

Additional Notes

SL = Screening Limit

ND = Not Detected

MDL = Method Detection Limit

All analytes tested per variance

*Analytes detected by screening method are evaluated with a quantitative method for actual ppm levels.

