True North Analytical
2656 Patton Road
Roseville, MN 55113

(612) 497-9626
https://truenorthanalytical.com
Lic# TF-L25-000014-02-TST

Item Name: 1g Trailhead Joint-IX | Trailhead | Killer Cupcake | 1 g | 1 ct

METRC Sample: 1A4140300005E89000000273; METRC Batch: 1A4140300005E89000000250; METRC Manifest #: 0000443922

Initial Test

Sample ID: 2610TNA0595.2065
Strain: Killer Cupcake
Matrix: Plant
Type: Preroll
Sample Size: 64.92 g; Batch:

Produced:
Collected:
Received: 10/26/2026
Completed: 11/11/2026
Batch#:

Client
Trailhead Cannabis
Lic. # MICRO-L25-000917
17951 MN-371
Brainerd, MN 56401



Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	11/05/2026	Complete
Moisture	11/04/2026	6.850% - Complete
Water Activity	11/04/2026	0.492 aw - Pass
Terpenes	11/06/2026	Complete
Microbials	11/04/2026	Pass
Mycotoxins	11/10/2026	Pass
Pesticides	11/10/2026	Pass
Heavy Metals	11/09/2026	Pass
Foreign Matter	11/04/2026	Pass

Cannabinoids

Complete

19.7%	ND	23.7%
Total THC	Total CBD	Total Cannabinoids

Analyte	LOQ	Measurement Uncertainty	Result	Result
	%	%	%	mg/g
THCa	0.291	0.744	21.9	219
Δ9-THC	0.291	0.0163	0.480	4.80
Δ8-THC	0.291	0.00	<LOQ	<LOQ
THCVa	0.291	0.00	<LOQ	<LOQ
THCV	0.291	0.00	<LOQ	<LOQ
CBDa	0.291	0.00	<LOQ	<LOQ
CBD	0.291	0.00	<LOQ	<LOQ
CBDVa	0.291	0.00	<LOQ	<LOQ
CBDV	0.291	0.00	<LOQ	<LOQ
CBN	0.291	0.00	<LOQ	<LOQ
CBGa	0.291	0.0459	1.35	13.5
CBG	0.291	0.00	<LOQ	<LOQ
CBCa	0.291	0.00	<LOQ	<LOQ
CBC	0.291	0.00	<LOQ	<LOQ
Total			**23.7**	**237**

Date Prepared: 11/05/2026, Date Tested: 11/05/2026
1 Unit = 0.000g
Total THC = %Δ9-THC + (%THCA x 0.877)
Total CBD = %CBD + (%CBDA x 0.877)
Total Cannabinoids=Sum of all compounds.
Refer to Cannabis Technical Authority: Standards for Sampling and Testing Cannabis and Hemp Products Section VII for full cannabinoid names.
Analysis performed as described in SOP-0169, Analyst: ERL
Mass Analyzed (g): 0.2064

6.850% Complete	0.492 aw Pass	Pass
Moisture Content	MU: 0.00304916 Water Activity	Foreign Matter
Analyst: LAH *Date Tested/ Prepared:11/04/2026* *Mass Analyzed (g): 0.2131*	*Analyst: LAH* *Date Tested/ Prepared:11/04/2026* *Mass Analyzed (g): 0.2131*	*Analyst: JMC* *Date Tested/ Prepared:11/04/2026* *Mass Analyzed (g): 20.3*

Zachary Remillard
Director of Chemistry
11/11/2026

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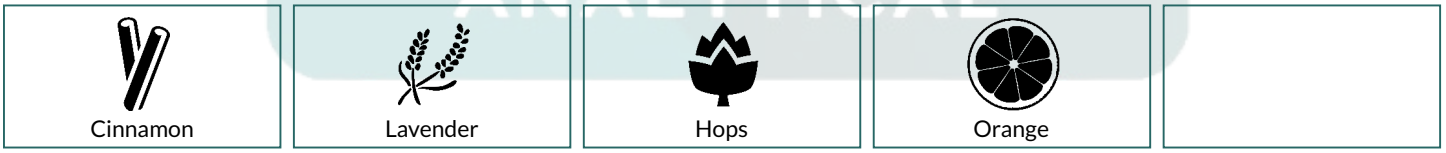
Client
Trailhead Cannabis
Lic. # MICRO-L25-000917
17951 MN-371
Brainerd, MN 56401

Terpenes

Analyte	LOQ	Measurement Uncertainty	Result	Result
	%	%	%	mg/g
β-Caryophyllene	0.0709	0.0178	0.306	3.06
Linalool	0.0709	0.0110	0.189	1.89
α-Humulene	0.0709	0.00488	0.0841	0.841
δ-Limonene	0.0709	0.00434	0.0748	0.748
3-Carene	0.0709	0.00	<LOQ	<LOQ
(-)-α-Bisabolol	0.0709	0.000218	<LOQ	<LOQ
α-Pinene	0.0709	0.000600	<LOQ	<LOQ
α-Terpinene	0.0709	0.00	<LOQ	<LOQ
β-Myrcene	0.0709	0.000581	<LOQ	<LOQ
β-Pinene	0.0709	0.00122	<LOQ	<LOQ
Camphene	0.0709	0.00	<LOQ	<LOQ
Caryophyllene Oxide	0.0709	0.00	<LOQ	<LOQ
Eucalyptol	0.0709	0.00	<LOQ	<LOQ
γ-Terpinene	0.0709	0.00	<LOQ	<LOQ
Geraniol	0.0709	0.000671	<LOQ	<LOQ
Guaiol	0.0709	0.00	<LOQ	<LOQ
(-)-Isopulegol	0.0709	0.00	<LOQ	<LOQ
Nerolidol	0.0709		<LOQ	<LOQ
Ocimene	0.0709		<LOQ	<LOQ
p-Cymene	0.0709	0.00	<LOQ	<LOQ
Terpinolene	0.0709	0.00	<LOQ	<LOQ
cis-Nerolidol		0.00	<LOQ	<LOQ
Total			**0.654**	**6.539**

Date Prepared: 11/05/2026, Date Tested: 11/06/2026
Analysis performed as described in SOP-0170.
Analyst: ATM
Mass Analyzed (g): 0.2064

Primary Aromas



Zachary Remillard
Director of Chemistry
11/11/2026

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Pesticides

Pass

Test Type	LOQ	Limit	Measurement Uncertainty	Mass	Status
	PPM	PPM	PPM	PPM	
Abamectin	0.400	0.5	0.00	<LOQ	Pass
Acephate	0.200	0.4	0.00	<LOQ	Pass
Acequinocyl	1.00	2	0.00	<LOQ	Pass
Acetamiprid	0.0800	0.2	0.00	<LOQ	Pass
Azadirachtin	0.400	1	0.00	<LOQ	Pass
Azoxystrobin	0.0800	0.2	0.00	<LOQ	Pass
Bifenazate	0.0800	0.2	0.00	<LOQ	Pass
Bifenthrin	0.0800	0.2	0.00	<LOQ	Pass
Boscalid	0.200	0.4	0.00	<LOQ	Pass
Carbaryl	0.0800	0.2	0.00	<LOQ	Pass
Chlorantraniliprole	0.0800	0.2	0.00	<LOQ	Pass
Chlorfenapyr	0.400	1	0.00	<LOQ	Pass
Chlormequat chloride	0.0800	0.2	0.00	<LOQ	Pass
Chlorpyrifos	0.0800	0.2	0.00	<LOQ	Pass
Clofentezine	0.0800	0.2	0.00	<LOQ	Pass
Cyfluthrin	0.400	1	0.00121	<LOQ	Pass
Cypermethrin	0.400	1	0.00	<LOQ	Pass
Daminozide	0.400	1	0.00	<LOQ	Pass
Diazinon	0.0400	0.2	0.00	<LOQ	Pass
Dichlorvos	0.0800	0.1	0.00	<LOQ	Pass
Dimethoate	0.0800	0.2	0.00	<LOQ	Pass
Etofenprox	0.200	0.4	0.00	<LOQ	Pass
Etoxazole	0.0800	0.2	0.00	<LOQ	Pass
Fenoxycarb	0.0800	0.2	0.00	<LOQ	Pass
Fenpyroximate	0.200	0.4	0.00	<LOQ	Pass
Fipronil	0.200	0.4	0.00	<LOQ	Pass
Flonicamid	0.400	1	0.00	<LOQ	Pass
Fludioxonil	0.200	0.4	0.00	<LOQ	Pass
Hexythiazox	0.400	1	0.00	<LOQ	Pass
Imazalil	0.0800	0.2	0.00	<LOQ	Pass
Imidacloprid	0.200	0.4	0.00	<LOQ	Pass
Kresoxim Methyl	0.200	0.4	0.00	<LOQ	Pass
Malathion	0.0800	0.2	0.00	<LOQ	Pass
Metalaxyl	0.0800	0.2	0.00	<LOQ	Pass
Methiocarb	0.0800	0.2	0.00	<LOQ	Pass
Methomyl	0.200	0.4	0.00	<LOQ	Pass
Myclobutanil	0.0800	0.2	0.00	<LOQ	Pass
Naled	0.400	0.5	0.00	<LOQ	Pass
Oxamyl	0.400	1	0.00	<LOQ	Pass
Paclobutrazol	0.200	0.4	0.00	<LOQ	Pass
Permethrins	0.200	0.3	0.00	<LOQ	Pass
Phosmet	0.0800	0.2	0.00	<LOQ	Pass
Piperonyl Butoxide	1.00	2	0.00	<LOQ	Pass
Prallethrin	0.0800	0.2	0.00	<LOQ	Pass
Propiconazole	0.200	0.4	0.00	<LOQ	Pass
Propoxur	0.0800	0.2	0.00	<LOQ	Pass
Pyrethrins	0.400	1	0.000533	<LOQ	Pass
Pyridaben	0.0800	0.2	0.00	<LOQ	Pass
Spinosad	0.0800	0.2	0.00	<LOQ	Pass
Spiromesifen	0.100	0.2	0.00	<LOQ	Pass
Spirotetramat	0.0800	0.2	0.000123	<LOQ	Pass
Tebuconazole	0.200	0.4	0.00	<LOQ	Pass
Thiamethoxam	0.0800	0.2	0.00	<LOQ	Pass
Trifloxystrobin	0.0800	0.2	0.00	<LOQ	Pass

Date Prepared: 11/06/2026, Date Tested: 11/10/2026
Analysis performed as described in SOP-0171.
Analyst: AJW
Mass Analyzed (g): 0.5339

Mycotoxins

Pass

Test Type	LOQ	Limit	Measurement Uncertainty	Mass	Status
	PPB	PPB	PPB	PPB	
B1	0.100	5	0.00	<LOQ	Pass
B2	0.200	20	0.00	<LOQ	Pass
G1	0.200	20	0.00	<LOQ	Pass
G2	0.200	20	0.00	<LOQ	Pass
Ochratoxin A	0.200	20	0.0962	2.67	Pass
Total Aflatoxins		20		<LOQ	Pass
Total Mycotoxins		20		2.67	Pass

Date Prepared: 11/06/2026, Date Tested: 11/10/2026
Analysis performed as described in SOP-0171.
Analyst: AJW
Mass Analyzed (g): 0.5339

Zachary Remillard
Director of Chemistry
11/11/2026

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Heavy Metals

Pass

Test Type	LOQ	Limit	Measurement Uncertainty	Mass	Status
	PPM	PPM	PPM	PPM	
Arsenic	0.100	0.2	0.00203	<LOQ	Pass
Cadmium	0.100	0.2	0.00	<LOQ	Pass
Lead	0.100	0.5	0.000357	<LOQ	Pass
Mercury	0.0500	0.1	0.00	<LOQ	Pass

Date Prepared: 11/05/2026, Date Tested: 11/09/2026
Analysis performed as described in SOP-0172.
Analyst: AJW
Mass Analyzed (g): 0.557

Microbials

Pass

Test Type	Analysis By	Limit	Measurement Uncertainty	Mass	Status
		CFU/g		CFU/g	
Aerobic Bacteria	Petrifilm	100000	7.60	400	Pass
Aspergillus SPP	PCR	0		Not Detected	Pass
Enterobacteriaceae	Petrifilm	1000	4.10	Not Detected	Pass
Salmonella	PCR	0		Not Detected	Pass
Shiga Toxin E. Coli	PCR	0		Not Detected	Pass
Yeast & Mold	PCR	100000	7.40	951	Pass

Date Prepared: 10/26/2026, Date Tested: 11/04/2026
Aspergillus spp. includes Aspergillus niger, Aspergillus flavus, Aspergillus fumigatus, Aspergillus terreus. Procedures followed SOP-0166, SOP-0167, SOP-0168, and SOP-0175. Measurement of Uncertainty is a percentage of the reported value.
Analyst: TAYLOR THOMPSON
Analytical Batch ID: NPL-110426-B, SSAF-110526-A, NP-110626-B, PCR-110626-A, PCR-110626-B
Nonpath Plating Weight (g): 10.15g, Aspergillus, Salmonella, and STEC Weight (g): 9.83g, Nonpath PCR Weight (g): 10.04g,

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