



True North Analytical
2656 Patton Road
Roseville, MN 55113

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

Regulatory Compliance Testing

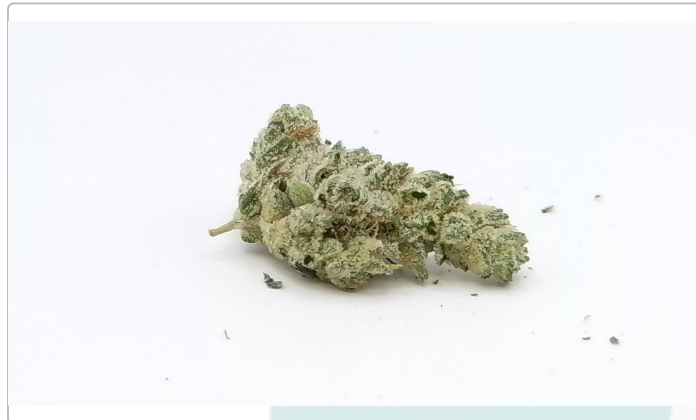
1 of 4

Item Name: Gorilla Glue 4 (Whole Buds)

METRC Sample: 1A4140300003C2A000000231; METRC Batch: ; METRC Manifest #: 0000400401

Initial Test

Sample ID: 2607TNA0277.0945 Produced: 07/06/2026 Client
Strain: Gorilla Glue 4 Collected: 07/27/2026 Trailhead Cannabis
Matrix: Plant Received: 07/30/2026 Lic. # MICRO-L25-000917
Type: Flower - Cured Completed: 08/13/2026 17951 MN-371
Sample Size: 39.95 g; Batch: Batch#: Brainerd, MN 56401



Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	08/10/2026	Complete
Moisture	08/07/2026	7.880% - Complete
Water Activity	08/07/2026	0.554 aw - Pass
Terpenes	08/10/2026	Complete
Microbials	08/12/2026	Pass
Mycotoxins	08/07/2026	Pass
Pesticides	08/07/2026	Pass
Heavy Metals	08/10/2026	Pass
Foreign Matter	08/06/2026	Pass

Cannabinoids

Complete

16.0%		ND		19.1%	
Total THC		Total CBD		Total Cannabinoids	
Analyte	LOQ	Measurement Uncertainty	Result	Result	
	%	%	%	mg/g	
THCa	0.253	0.603	17.7	177	
Δ9-THC	0.253	0.0177	0.522	5.22	
Δ8-THC	0.253	0.00	<LOQ	<LOQ	
THCVa	0.253	0.00	<LOQ	<LOQ	
THCV	0.253	0.00	<LOQ	<LOQ	
CBDa	0.253	0.00	<LOQ	<LOQ	
CBD	0.253	0.00	<LOQ	<LOQ	
CBDVa	0.253	0.00	<LOQ	<LOQ	
CBDV	0.253	0.00	<LOQ	<LOQ	
CBN	0.253	0.00	<LOQ	<LOQ	
CBGa	0.253	0.0167	0.490	4.90	
CBG	0.253	0.00	<LOQ	<LOQ	
CBCa	0.253	0.0116	0.342	3.42	
CBC	0.253	0.00	<LOQ	<LOQ	
Total			19.1	191	

Date Prepared: 08/10/2026, Date Tested: 08/10/2026
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: atm
Mass Analyzed (g): 0.2376

7.880%
Complete
Moisture Content

Analyst: LAH
Date Tested/ Prepared: 08/07/2026
Mass Analyzed (g): 0.2712

0.554 aw
Pass
MU: 0.0034317
Water Activity

Analyst: LAH
Date Tested/ Prepared: 08/07/2026
Mass Analyzed (g): 0.2712

Pass
Foreign Matter

Analyst: MJTR
Date Tested/ Prepared: 08/06/2026
Mass Analyzed (g): 14.26



Zachary Remillard
Director of Chemistry
08/13/2026

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Regulatory Compliance Testing

2 of 4

Item Name: Gorilla Glue 4 (Whole Buds)

METRC Sample: 1A4140300003C2A000000231; METRC Batch: ; METRC Manifest #: 0000400401

Initial Test

Sample ID: 2607TNA0277.0945	Produced: 07/06/2026	Client
Strain: Gorilla Glue 4	Collected: 07/27/2026	Trailhead Cannabis
Matrix: Plant	Received: 07/30/2026	Lic. # MICRO-L25-000917
Type: Flower - Cured	Completed: 08/13/2026	17951 MN-371
Sample Size: 39.95 g; Batch:	Batch#:	Brainerd, MN 56401

Terpenes

Analyte	LOQ	Measurement Uncertainty	Result	Result
	%	%	%	mg/g
β -Caryophyllene	0.0205	0.0456	0.787	7.87
α -Humulene	0.0205	0.0162	0.280	2.80
β -Myrcene	0.0205	0.00940	0.162	1.62
δ -Limonene	0.0205	0.00906	0.156	1.56
(-)- α -Bisabolol	0.0205	0.00466	0.0803	0.803
Linalool	0.0205	0.00438	0.0755	0.755
β -Pinene	0.0205	0.00221	0.0381	0.381
Geraniol	0.0205	0.00119	0.0206	0.206
3-Carene	0.0205	0.00	<LOQ	<LOQ
α -Pinene	0.0205	0.000943	<LOQ	<LOQ
α -Terpinene	0.0205	0.00	<LOQ	<LOQ
Camphene	0.0205	0.000222	<LOQ	<LOQ
Caryophyllene Oxide	0.0205	0.00	<LOQ	<LOQ
Eucalyptol	0.0205	0.00	<LOQ	<LOQ
γ -Terpinene	0.0205	0.00	<LOQ	<LOQ
Guaiol	0.0205	0.00	<LOQ	<LOQ
Nerolidol	0.0205	0.00	<LOQ	<LOQ
Ocimene	0.0205	0.00	<LOQ	<LOQ
(-)-Isopulegol	0.0205	0.00115	<LOQ	<LOQ
p-Cymene	0.0205	0.00	<LOQ	<LOQ
Terpinolene	0.0205	0.00	<LOQ	<LOQ
Total			1.600	15.995

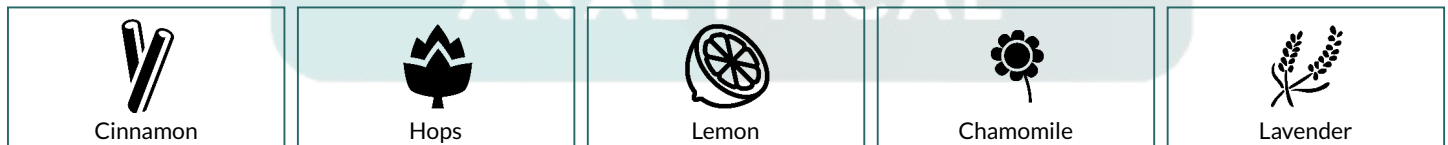
Date Prepared: 08/10/2026, Date Tested: 08/10/2026

Analysis performed as described in SOP-0170. a-Bisabolol, b-Caryophyllene, Guaiol, Nerolidol, Eucalyptol are reported as estimates.

Analyst: TA

Mass Analyzed (g): 0.2376

Primary Aromas



Zachary Remillard
Director of Chemistry
08/13/2026

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Client

Strain: Gorilla Glue 4

Collected: 07/27/2026

Trailhead Cannabis

Matrix: Plant

Received: 07/30/2026

Lic. # MICRO-L25-000917

Type: Flower - Cured

Completed: 08/13/2026

17951 MN-371

Sample Size: 39.95 g; Batch:

Batch#:

Brainerd, MN 56401

Pesticides

Pass

Test Type	LOQ	Limit	Measurement Uncertainty	Mass	Status	Test Type	LOQ	Limit	Measurement Uncertainty	Mass	Status
	PPM	PPM	PPM	PPM			PPM	PPM	PPM	PPM	
Abamectin	0.400	0.5	0.00	<LOQ	Pass	Fludioxonil	0.200	0.4	0.00	<LOQ	Pass
Acephate	0.200	0.4	0.00	<LOQ	Pass	Hexythiazox	0.400	1	0.00	<LOQ	Pass
Acequinocyl	1.00	2	0.00	<LOQ	Pass	Imazalil	0.0800	0.2	0.00	<LOQ	Pass
Acetamiprid	0.0800	0.2	0.00	<LOQ	Pass	Imidacloprid	0.200	0.4	0.00	<LOQ	Pass
Azadirachtin	0.400	1	0.00	<LOQ	Pass	Kresoxim	0.200	0.4	0.00	<LOQ	Pass
Azoxystrobin	0.0800	0.2	0.00	<LOQ	Pass	Methyl	0.200	0.4	0.00	<LOQ	Pass
Bifenazate	0.0800	0.2	0.00	<LOQ	Pass	Malathion	0.0800	0.2	0.00	<LOQ	Pass
Bifenthrin	0.0800	0.2	0.00	<LOQ	Pass	Metalaxyl	0.0800	0.2	0.00	<LOQ	Pass
Boscalid	0.200	0.4	0.00	<LOQ	Pass	Methiocarb	0.0800	0.2	0.00	<LOQ	Pass
Carbaryl	0.0800	0.2	0.00	<LOQ	Pass	Methomyl	0.200	0.4	0.00	<LOQ	Pass
Chlorantraniliprole	0.0800	0.2	0.00	<LOQ	Pass	Myclobutanil	0.0800	0.2	0.00	<LOQ	Pass
Chlorfenapyr	0.400	1	0.00	<LOQ	Pass	Naled	0.400	0.5	0.00	<LOQ	Pass
Chloromequat chloride	0.0800	0.2	0.00	<LOQ	Pass	Oxamyl	0.400	1	0.00	<LOQ	Pass
Chlorpyrifos	0.0800	0.2	0.00	<LOQ	Pass	Paclobutrazol	0.200	0.4	0.00	<LOQ	Pass
Clofentazine	0.0800	0.2	0.00	<LOQ	Pass	Permethrins	0.200	0.3	0.00	<LOQ	Pass
Cyfluthrin	0.400	1	0.00	<LOQ	Pass	Phosmet	0.0800	0.2	0.00	<LOQ	Pass
Cypermethrin	0.400	1	0.00	<LOQ	Pass	Piperonyl	1.00	2	0.00	<LOQ	Pass
Daminozide	0.400	1	0.00	<LOQ	Pass	Butoxide					
Diazinon	0.0400	0.2	0.00	<LOQ	Pass	Prallethrin	0.0800	0.2	0.00	<LOQ	Pass
Dichlorvos	0.0800	0.1	0.00	<LOQ	Pass	Propiconazole	0.200	0.4	0.00	<LOQ	Pass
Dimethoate	0.0800	0.2	0.00	<LOQ	Pass	Propoxur	0.0800	0.2	0.00	<LOQ	Pass
Etofenprox	0.200	0.4	0.00	<LOQ	Pass	Pyrethrins	0.400	1	0.000227	<LOQ	Pass
Etoxazole	0.0800	0.2	0.00	<LOQ	Pass	Pyridaben	0.0800	0.2	0.00	<LOQ	Pass
Fenoxycarb	0.0800	0.2	0.00	<LOQ	Pass	Spinosad	0.0800	0.2	0.00	<LOQ	Pass
Fenpyroximate	0.200	0.4	0.00	<LOQ	Pass	Spiromesifen	0.100	0.2	0.00	<LOQ	Pass
Fipronil	0.200	0.4	0.00	<LOQ	Pass	Spirotetramat	0.0800	0.2	0.00	<LOQ	Pass
Fonicamid	0.400	1	0.00	<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: 08/07/2026, Date Tested: 08/07/2026

Analysis performed as described in SOP-0171.

Analyst: AJW

Mass Analyzed (g): 0.5491

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	0.0692	1.92	Pass
Total Aflatoxins		20		<LOQ	Pass
Total Mycotoxins		20		1.92	Pass

Date Prepared: 08/07/2026, Date Tested: 08/07/2026

Analysis performed as described in SOP-0171.

Analyst: AJW

Mass Analyzed (g): 0.5491



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Sample Size: 39.95 g; Batch:	Batch#:	Brainerd, MN 56401

Heavy Metals

Pass

Test Type	LOQ	Limit	Measurement Uncertainty	Mass	Status
	PPM	PPM	PPM	PPM	
Arsenic	0.100	0.2	0.00125	<LOQ	Pass
Cadmium	0.100	0.2	0.0000747	<LOQ	Pass
Lead	0.100	0.5	0.00432	<LOQ	Pass
Mercury	0.0500	0.1	0.000321	<LOQ	Pass

Date Prepared: 08/10/2026, Date Tested: 08/10/2026
Analysis performed as described in SOP-0172.
Analyst: AJW
Mass Analyzed (g): 0.57

Microbials

Pass

Test Type	Analysis By	Limit	Measurement Uncertainty	Mass	Status
		CFU/g		CFU/g	
Aerobic Bacteria	PCR	100000	7.60	24300	Pass
Aspergillus SPP	PCR	0		Not Detected	Pass
Enterobacteriaceae	Petrifilm	1000	4.10	ND	Pass
Salmonella	PCR	0		Not Detected	Pass
Shiga Toxin E. Coli	PCR	0		Not Detected	Pass
Yeast & Mold	PCR	100000	7.40	ND	Pass

Date Prepared: 07/30/2026, Date Tested: 08/12/2026
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-081026-A, NP-081126-A, SSAF-081126-A, PCR-081126-A, PCR-081226-B
Nonpathogenic Weight (g): 19.99, Salmonella and STEC Weight (g): 10.21g, Aspergillus Weight (g): 10.21



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