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Customer: Berkshire Roots

Address:
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Phone: 413-329-5067

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Certificate of Analysis

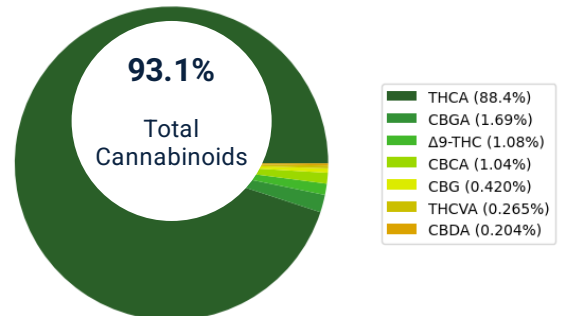


Sample ID: 43865
Sample Name: GH Cheese Bulk LIVE Concentrate
Sample Strain: GH Cheese
Sample Type: Concentrate
Received Date: 03/16/2026
Report Date: 03/20/2026
METRC ID: 1A40A0300000642000111214
METRC Source ID: 1A40A0300000642000111146
Client Batch ID: 260304GHC-FF-BP
Sanitization Method: None
Client Sample Size: 5 grams

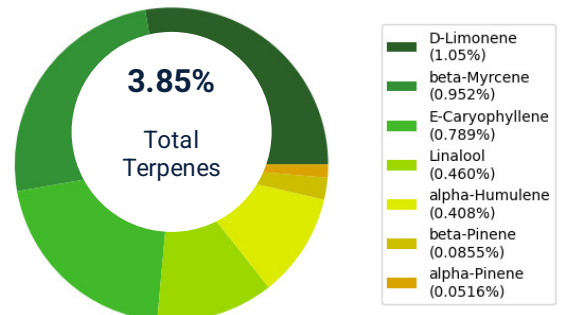
Results Summary

Cannabinoids 03/18/2026	TESTED
Terpenes 03/18/2026	TESTED
Heavy Metals 03/19/2026	✓ PASS
Microbial Impurities 03/20/2026	✓ PASS
Residual Solvents 03/18/2026	✓ PASS
Mycotoxins 03/18/2026	✓ PASS

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Cannabinoids

Date Started: 03/17/2026
Instrument: UPLC-PDA

Date Completed: 03/18/2026
Method: TP-09.001.06 & TP-09.012.07

Analyst: Lana Rivera (B144852)
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
THCA	88.4	884	0.258	1.61
CBGA	1.69	16.9	0.00633	0.0807
Δ9-THC	1.08	10.8	0.0298	0.161
CBCA	1.04	10.4	0.0208	0.0646
CBG	0.420	4.20	0.00701	0.0807
THCVA	0.265	2.65	0.00686	0.0646
CBDA	0.204	2.04	0.0102	0.161
CBDVA	ND	ND	0.0109	0.0646
CBDV	ND	ND	0.0309	0.0646
CBD	ND	ND	0.0125	0.161
Δ9-THCV	ND	ND	0.00870	0.0646
Δ8-THCV	ND	ND	0.0158	0.0646
CBN	ND	ND	0.0111	0.0807
CBNA	ND	ND	0.00852	0.0646
Exo-THC	ND	ND	0.0129	0.0646
Δ8-THC	ND	ND	0.0283	0.0807
CBL	ND	ND	0.0191	0.0646
CBC	ND	ND	0.00765	0.0646
Total THC	78.6	786		
Total CBD	0.179	1.79		
Total Cannabinoids	93.1	931		

Total THC = Δ9-THC + (THCA x 0.877)

Total CBD = CBD + (CBDA x 0.877)

Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.

LOD = Limit of Detection; **LOQ** = Limit of Quantitation; **ND** = Not Detected.

Certificate of Analysis

Terpenes

Date Started: 03/17/2026
Instrument: GC-MS

Date Completed: 03/18/2026
Method: TP-09.004.06

Analyst: Lana Rivera (B144852)
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
D-Limonene	1.05	10.5	0.00346	0.0164
beta-Myrcene	0.952	9.52	0.00275	0.0164
E-Caryophyllene	0.789	7.89	0.00719	0.0164
Linalool	0.460	4.60	0.00499	0.0164
alpha-Humulene	0.408	4.08	0.00353	0.0164
beta-Pinene	0.0855	0.855	0.00339	0.0164
alpha-Pinene	0.0516	0.516	0.00137	0.0164
Eucalyptol	0.0166	0.166	0.00496	0.0164
Camphene	<LOQ	<LOQ	0.00181	0.0164
Terpinolene	<LOQ	<LOQ	0.00204	0.0164
Carophyllene Oxide	<LOQ	<LOQ	0.00370	0.0164
Guaiol	ND	ND	0.00356	0.0164
E-beta-Ocimene	ND	ND	0.00677	0.0164
Isopulegol	ND	ND	0.00793	0.0164
Geraniol	ND	ND	0.00509	0.0164
Z-Nerolidol	ND	ND	0.00444	0.0164
E-Nerolidol	ND	ND	0.00373	0.0164
alpha-Bisabolol	ND	ND	0.00606	0.0164
delta-3-Carene	ND	ND	0.00534	0.0164
alpha-Terpinene	ND	ND	0.00501	0.0164
Z-beta-Ocimene	ND	ND	0.00662	0.0164
gamma-Terpinene	ND	ND	0.00370	0.0164
Total Terpenes	3.85	38.5		

Heavy Metals

✓ **PASS**

Date Started: 03/17/2026
Instrument: ICP-MS

Date Completed: 03/19/2026
Method: TP-09.007.04

Analyst: Meagan Mattos (B154555)
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	<LOQ	11.5	77.4	200	Pass
Cadmium	ND	6.88	77.4	200	Pass
Lead	ND	6.32	77.4	500	Pass
Mercury	ND	5.51	38.7	100	Pass

Microbial Impurities

✓ **PASS**

Date Started: 03/16/2026
Instrument: TEMPO & Gene-Up

Date Completed: 03/20/2026
Method: TP-09.010.02 & TP-09.011.03

Analyst: Sydney Murphy (B168056)
Deviation: N/A

Microbials	Result (CFU/g)	Limit (CFU/g)	Status
Coliforms	ND	100	Pass
Bile-Tolerant Gram-Negative Bacteria	ND	100	Pass
Yeast & Mold	ND	1000	Pass
Aerobic Bacteria	ND	10000	Pass
E.coli	ND		Pass
Salmonella	ND		Pass

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Certificate of Analysis

Residual Solvents

✓ **PASS**

Date Started: 03/17/2026
Instrument: HS-GC-MS

Date Completed: 03/18/2026
Method: TP-09.005.04

Analyst: Lana Rivera (B144852)
Deviation: N/A

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
n-Propane	ND	0.391	1.54	12.0	Pass
Iso-butane	ND	0.257	1.54	12.0	Pass
n-Butane	4.09	0.168	1.54	12.0	Pass
Methanol	ND	36.6	92.4	3000	Pass
Ethylene Oxide	ND	0.616	1.23		Pass
n-Pentane	ND	24.8	92.4	5000	Pass
Ethanol	ND	17.1	92.4	5000	Pass
Ethyl Ether	ND	23.3	92.4	5000	Pass
Acetone	ND	16.7	92.4	5000	Pass
Isopropyl Alcohol	ND	20.9	92.4	5000	Pass
Acetonitrile	ND	13.0	92.4	410	Pass
Methylene Chloride	ND	0.616	1.23	600	Pass
n-Hexane	ND	25.1	92.4	290	Pass
Ethyl Acetate	ND	14.5	92.4	5000	Pass
Chloroform	ND	0.616	1.23	60.0	Pass
1,2-Dichloroethane	ND	0.616	1.23	1870	Pass
Benzene	ND	0.616	1.23		Pass
n-Heptane	ND	26.9	92.4	5000	Pass
Trichloroethylene	ND	0.616	1.23	80.0	Pass
Toluene	ND	10.6	92.4	890	Pass
Total Xylenes	ND	18.2	46.2	2170	Pass

Mycotoxins

✓ **PASS**

Date Started: 03/17/2026
Instrument: LC-MS/MS

Date Completed: 03/18/2026
Method: TP-09.009.05

Analyst: Lana Rivera (B144852)
Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	0.779	2.57		
Aflatoxin B2	ND	0.779	2.57		
Aflatoxin G1	ND	0.779	2.57		
Aflatoxin G2	ND	0.779	2.57		
Ochratoxin A	ND	0.779	2.57		
Total Mycotoxins	ND	0.779	2.57	20.0	Pass



Eric Steele, Lab Director
 03/20/2026

END OF REPORT