



Genesis Testing Labs
 1620 South Main St, Unit A
 Grove, OK 74344
 (918)791-3460
 OMMA # LAAA-EKZ6-UNEB

Certificate of Analysis

Client Name Lettuce Head Labs LLC **License Number** PAAA-4KSL-N4QY
Address 19303 S 145th E Ave **Phone** 918-946-3135
 Bixby, OK 74008
Sample ID SA-021821-5880 **Sample Type** Concentrate
Strain Gorilla Glue #4 Budder **Sample Batch #** LHL-BLL-GG#4-LRB-020121

Summary of Results	
Potency Profile	
Cannabinoid	Result mg/g
CBDV	-
CBDA	1.26998
CBN	-
CBD	-
CBGA	11.8917
CBG	4.41385
THCV	2.07815
Δ9-THC	129.423
Δ8-THC	-
THCA	846.767
CBC	-
Total THC %	87.2038%
Total THC mg/g	872.038
Microbiological Profile	
All Results	Pass
Mycotoxin Screening	
All Results	Pass
Residual Solvents	
All Results	Pass
Heavy Metals Screening	
All Results	Pass
Pesticide Screening	
All Results	Pass
Water Activity	
All Results	NT
Terpene Profile	
Terpene	Result %
Camphene	-
Myrcene	0.421314
β-pinene	0.117407
3-Carene	-
Delta-limonene	0.309059
Cymene	-
β-Ocimene	0.00550622
Eucalyptol	-
γ-Terpinene	-
α-Terpinene	-
Terpinolene	0.0227353
Linalool	0.163588
Isopulegol	0.151332
Geraniol	-
β-Caryophyllene	1.08632
Humulene	0.325755
Nerolidol	0.180462
Guaiol	0.106217
Caryophyllene oxide	0.113144
α-Bisabolol	0.420604
Total Terpene %	3.42345

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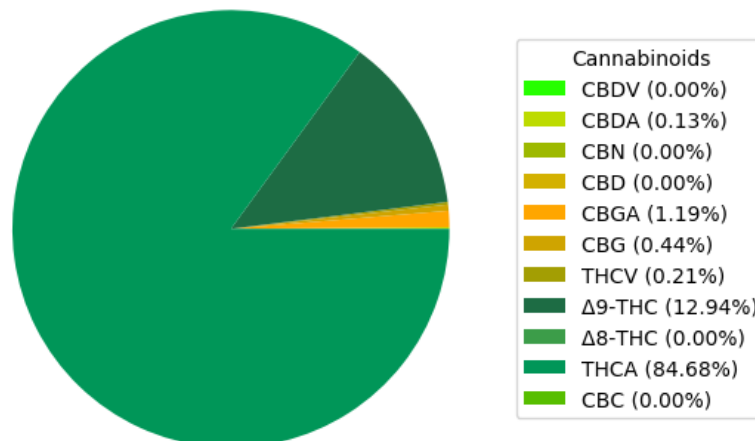
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Potency

Date Analyzed: **Date Completed:** 03/02/2021 **Batch #:** BA-030221-917
Instrument: Agilent 1100 HPLC **Method:** Internal Method 1 **Lab Tech:** Audrey Krabacher

Cannabinoid	Result %	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
CBDV	ND	ND	-	1.000
CBDA	0.1270	1.2700	-	1.000
CBN	ND	ND	-	1.000
CBD	ND	ND	-	1.000
CBGA	1.1892	11.8917	-	1.000
CBG	0.4414	4.4139	-	1.000
THCV	0.2078	2.0781	-	1.000
Δ9-THC	12.9423	129.423	-	1.000
Δ8-THC	ND	ND	-	1.000
THCA	84.6767	846.767	-	1.000
CBC	ND	ND	-	0.885
% Moisture	NT			
Total Cannabinoids	99.5844	995.844		
Total CBD	0.1114	1.1138		
Total THC	87.2038	872.038		

Cannabinoid Distribution (%)



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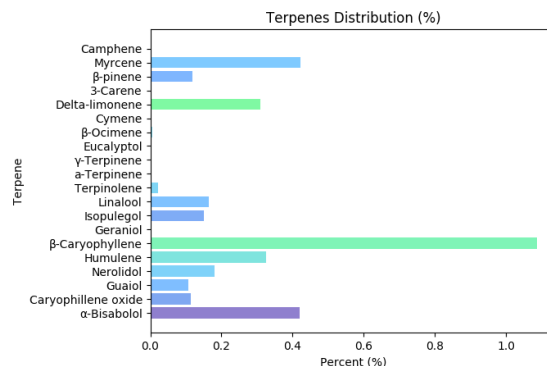
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Terpenoid

Date Analyzed: **Date Completed:** 03/02/2021 **Batch #:** BA-030121-911
Instrument: Terpenes by Direct Injection **Method:** Internal Method 1 **Lab Tech:** John Boyle

Terpene	Result (mg/g)	Result (%)	LOD (ug/g)	LOQ (ug/g)
Camphene	ND	ND	-	0.000004600
Myrcene	4.2131	0.4213	-	0.000004600
β-pinene	1.1741	0.1174	-	0.000004600
3-Carene	ND	ND	-	0.000004600
Delta-limonene	3.0906	0.3091	-	0.000004600
Cymene	ND	ND	-	0.000004600
β-Ocimene	0.0551	0.0055	-	0.000004600
Eucalyptol	ND	ND	-	0.000004600
γ-Terpinene	ND	ND	-	0.000004600
α-Terpinene	ND	ND	-	0.000004600
Terpinolene	0.2274	0.0227	-	0.000004600
Linalool	1.6359	0.1636	-	0.000004600
Isopulegol	1.5133	0.1513	-	0.000004600
Geraniol	ND	ND	-	0.000004600
β-Caryophyllene	10.8632	1.0863	-	0.000004600
Humulene	3.2576	0.3258	-	0.000004600
Nerolidol	1.8046	0.1805	-	0.000004600
Guaiol	1.0622	0.1062	-	0.000004600
Caryophyllene oxide	1.1314	0.1131	-	0.000004600
α-Bisabolol	4.2060	0.4206	-	0.000004600
Total Terpenes (%):	34.2345	3.4234		



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Foreign Materials

PASS

Date Analyzed: **Date Completed:** 03/02/2021
Instrument: Microscope **Method:** Internal Method 1 **Lab Tech:** Ethanie Gillum

Analyte	Result (%)	Threshold (%)	Pass/Fail
Sand, Soils, Cinders, and Dirt	ND	N/A	
Imbedded Foreign Material	ND	N/A	
Insect Fragment	ND	N/A	
Hair	ND	N/A	
Mammalian Excreta	ND	N/A	

Heavy Metals

PASS

Date Analyzed: **Date Completed:** 03/02/2021
Instrument: HPLC-ICP/MS QQQ (Agilent 1260 and 7900) **Method:** Internal Method 1 **Lab Tech:** John Boyle

Analyte	Result (ppm)	LOD (ppm)	LOQ (ppm)	Threshold (ppm)	Pass/Fail
Cadmium	ND	0.50	-	0.4	Pass
Lead	ND	0.50	-	1.0	Pass
Arsenic	ND	0.50	-	0.4	Pass
Mercury	ND	0.50	-	0.2	Pass

Microbial Analysis

PASS

Date Analyzed: **Date Completed:** 03/02/2021
Instrument: Binder Incubator and Hardy Wizard Reader **Method:** Hardy Compact Dry **Lab Tech:** Ethanie Gillum

Bacteria/Fungus	Result (CFU/g)	LOD (CFU/g)	LOQ (CFU/g)	Threshold (CFU/g)	Pass/Fail
Escherichia Coli (E. Coli)	ND	1.00	1.00	1	Pass
Yeast/Mold	ND	10000.00	1.00	10,000	Pass
Salmonella spp	ND	1.00	1.00	1	Pass
Aspergillus fumigatus	ND	1.00		1	Pass
Aspergillus terreus	ND	1.00		1	Pass
Aspergillus flavus	ND	1.00		1	Pass
Total Plate Count	ND	10000.0		10000	Pass

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Mycotoxins

PASS

Date Analyzed: **Date Completed:** 03/02/2021
Instrument: Mycotoxin Fluorometer **Method:** Internal Method 1 **Lab Tech:** Ethanie Gillum

Mycotoxin	Result (ppb)	LOD (ppb)	LOQ (ppb)	Threshold (ppb)	Pass/Fail
Aflatoxin B1	ND	2.00	2.00		
A. B2	ND	2.00	2.00	20	Pass
A. G1	ND	2.00	2.00		
A. G2	ND	2.00	2.00		
Ochratoxin A	0.39	3.00	3.00	20	Pass

Pesticide Profile

PASS

Date Analyzed: **Date Completed:** 03/02/2021
Instrument: Agilent LC/MS QQQ **Method:** Internal Method 1 **Lab Tech:** John Boyle

Pesticide	Result (ppm)	LOQ (ppm)	Threshold (ppm)	Pass/Fail
Abamectin	ND	0.1	0.5	Pass
Azoxystrobin	ND	0.1	0.2	Pass
Bifenazate	ND	0.1	0.2	Pass
Etoxazole	ND	0.1	0.2	Pass
Imazalil	ND	0.1	0.2	Pass
Imidacloprid	ND	0.1	0.4	Pass
Malathion	ND	0.1	0.2	Pass
Myclobutanil	ND	0.1	0.2	Pass
Permethrin	ND	0.1	0.2	Pass
Spinosad	ND	0.1	0.2	Pass
Spiromesifen	ND	0.1	0.2	Pass
Spirotetramat	ND	0.1	0.2	Pass
Tebuconazole	ND	0.1	0.4	Pass

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Residual Solvents

PASS

Date Analyzed: **Date Completed:** 03/02/2021
Instrument: Agilent GC/MS w/Headspace Autosampler **Method:** Internal Method 1 **Lab Tech:** Audrey Krabacher

Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Threshold (ppm)	Pass/Fail
Isopropyl alcohol	ND	-	0.000081000	1000	Pass
Acetone	ND	-	0.000081000	1000	Pass
Benzene	ND	-	0.000081000	2	Pass
Butane	ND	-	0.000081000	1000	Pass
Heptane	ND	-	0.000081000	1000	Pass
n-Hexane	ND	-	0.000081000	60	Pass
n-Pentane	ND	-	0.000081000	1000	Pass
Propane	ND	-	0.000081000	1000	Pass
Toluene	ND	-	0.000081000	180	Pass
Total xylenes (m, p, o-xylenes)	ND	-	0.000081000	430	Pass

Anthony Brixey

James Rhudy

Reviewed By: Anthony Brixey
03/02/2021

Approved By: James Rhudy
03/02/2021

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