



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-021821-5877 **Sample Type** Concentrate
Strain Grape Gas Crumble **Sample Batch #** LHL-TTL-GrGas-LRC-020121

Summary of Results			
Potency Profile		Terpene Profile	
Cannabinoid	Result mg/g	Terpene	Result %
CBDV	-	Camphene	-
CBDA	2.13018	Myrcene	0.0364892
CBN	-	β-pinene	-
CBD	1.6568	3-Carene	-
CBGA	31.213	Delta-limonene	0.103748
CBG	9.60552	Cymene	-
THCV	-	β-Ocimene	-
Δ9-THC	31.4103	Eucalyptol	-
Δ8-THC	-	γ-Terpinene	-
THCA	977.199	α-Terpinene	-
CBC	-	Terpinolene	-
Total THC %	88.8414%	Linalool	0.70572
Total THC mg/g	888.414	Isopulegol	0.196055
Microbiological Profile		Geraniol	-
All Results	Pass	β-Caryophyllene	2.29448
Mycotoxin Screening		Humulene	0.586193
All Results	Pass	Nerolidol	0.463708
Residual Solvents		Guaiol	-
All Results	Pass	Caryophyllene oxide	0.146746
Heavy Metals Screening		α-Bisabolol	0.512229
All Results	Pass	Total Terpene %	5.04536
Pesticide Screening			
All Results	Pass		
Water Activity			
All Results	NT		

The product represented has been tested by GTL using advanced analytical instrumentation with proven and validated scientific methodologies. GTL makes no claims as to the efficacy and/or safety of the product represented herein. This Certificate of Analysis may not be reproduced except in full, without the express written consent of Genesis Testing Laboratories. Some tests may be sub-contracted to partner labs as indicated in the Certificate of Analysis; subcontract labs are fully OMMA compliant and licensed by the State of Oklahoma. This Certificate of Analysis expires one year from Issue Date.



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

Certificate of Analysis

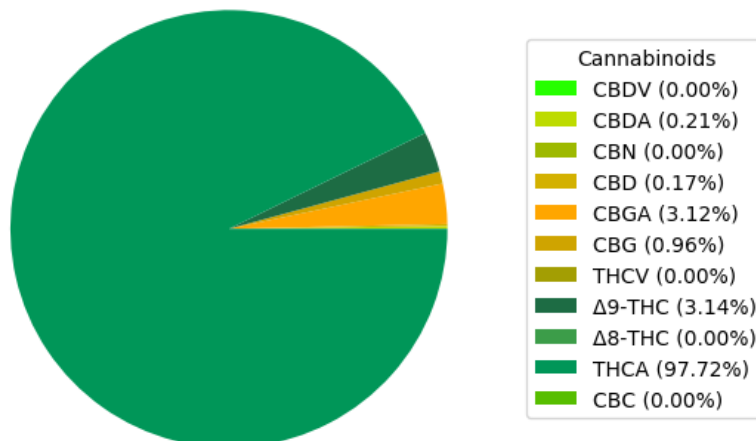
Client Name Lettuce Head Labs LLC
Address 19303 S 145th E Ave
 Bixby, OK 74008
Sample ID SA-021821-5877
Strain Grape Gas Crumble
License Number PAAA-4KSL-N4QY
Phone 918-946-3135
Sample Type Concentrate
Sample Batch # LHL-TTL-GrGas-LRC-020121

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	0.2130	2.1302	-	1.000
CBN	ND	ND	-	1.000
CBD	0.1657	1.6568	-	1.000
CBGA	3.1213	31.213	-	1.000
CBG	0.9606	9.6055	-	1.000
THCV	ND	ND	-	1.000
Δ9-THC	3.1410	31.4103	-	1.000
Δ8-THC	ND	ND	-	1.000
THCA	97.7199	977.199	-	1.000
CBC	ND	ND	-	0.885
% Moisture	NT			
Total Cannabinoids	105.321	1053.21		
Total CBD	0.3525	3.5250		
Total THC	88.8414	888.414		

Cannabinoid Distribution (%)



The product represented has been tested by GTL using advanced analytical instrumentation with proven and validated scientific methodologies. GTL makes no claims as to the efficacy and/or safety of the product represented herein. This Certificate of Analysis may not be reproduced except in full, without the express written consent of Genesis Testing Laboratories. Some tests may be sub-contracted to partner labs as indicated in the Certificate of Analysis; subcontract labs are fully OMMA compliant and licensed by the State of Oklahoma. This Certificate of Analysis expires one year from Issue Date.



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

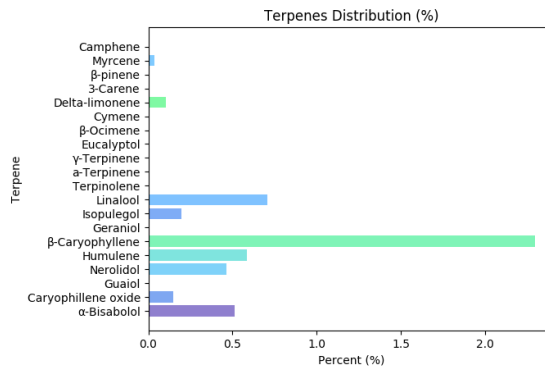
Certificate of Analysis

Client Name Lettuce Head Labs LLC
Address 19303 S 145th E Ave
 Bixby, OK 74008
Sample ID SA-021821-5877
Strain Grape Gas Crumble
License Number PAAA-4KSL-N4QY
Phone 918-946-3135
Sample Type Concentrate
Sample Batch # LHL-TTL-GrGas-LRC-020121

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	0.3649	0.0365	-	0.000004600
β-pinene	ND	ND	-	0.000004600
3-Carene	ND	ND	-	0.000004600
Delta-limonene	1.0375	0.1037	-	0.000004600
Cymene	ND	ND	-	0.000004600
β-Ocimene	ND	ND	-	0.000004600
Eucalyptol	ND	ND	-	0.000004600
γ-Terpinene	ND	ND	-	0.000004600
α-Terpinene	ND	ND	-	0.000004600
Terpinolene	ND	ND	-	0.000004600
Linalool	7.0572	0.7057	-	0.000004600
Isopulegol	1.9606	0.1961	-	0.000004600
Geraniol	ND	ND	-	0.000004600
β-Caryophyllene	22.9448	2.2945	-	0.000004600
Humulene	5.8619	0.5862	-	0.000004600
Nerolidol	4.6371	0.4637	-	0.000004600
Guaiol	ND	ND	-	0.000004600
Caryophyllene oxide	1.4675	0.1467	-	0.000004600
α-Bisabolol	5.1223	0.5122	-	0.000004600
Total Terpenes (%):	50.4536	5.0454		



The product represented has been tested by GTL using advanced analytical instrumentation with proven and validated scientific methodologies. GTL makes no claims as to the efficacy and/or safety of the product represented herein. This Certificate of Analysis may not be reproduced except in full, without the express written consent of Genesis Testing Laboratories. Some tests may be sub-contracted to partner labs as indicated in the Certificate of Analysis; subcontract labs are fully OMMA compliant and licensed by the State of Oklahoma. This Certificate of Analysis expires one year from Issue Date.



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
Address 19303 S 145th E Ave
Bixby, OK 74008
Sample ID SA-021821-5877
Strain Grape Gas Crumble
License Number PAAA-4KSL-N4QY
Phone 918-946-3135
Sample Type Concentrate
Sample Batch # LHL-TTL-GrGas-LRC-020121

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

The product represented has been tested by GTL using advanced analytical instrumentation with proven and validated scientific methodologies. GTL makes no claims as to the efficacy and/or safety of the product represented herein. This Certificate of Analysis may not be reproduced except in full, without the express written consent of Genesis Testing Laboratories. Some tests may be sub-contracted to partner labs as indicated in the Certificate of Analysis; subcontract labs are fully OMMA compliant and licensed by the State of Oklahoma. This Certificate of Analysis expires one year from Issue Date.



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
Address 19303 S 145th E Ave
Bixby, OK 74008
Sample ID SA-021821-5877
Strain Grape Gas Crumble

License Number PAAA-4KSL-N4QY
Phone 918-946-3135
Sample Type Concentrate
Sample Batch # LHL-TTL-GrGas-LRC-020121

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	1.6	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

The product represented has been tested by GTL using advanced analytical instrumentation with proven and validated scientific methodologies. GTL makes no claims as to the efficacy and/or safety of the product represented herein. This Certificate of Analysis may not be reproduced except in full, without the express written consent of Genesis Testing Laboratories. Some tests may be sub-contracted to partner labs as indicated in the Certificate of Analysis; subcontract labs are fully OMMA compliant and licensed by the State of Oklahoma. This Certificate of Analysis expires one year from Issue Date.



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
Address 19303 S 145th E Ave
 Bixby, OK 74008
Sample ID SA-021821-5877
Strain Grape Gas Crumble
License Number PAAA-4KSL-N4QY
Phone 918-946-3135
Sample Type Concentrate
Sample Batch # LHL-TTL-GrGas-LRC-020121

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