



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 Bixby, OK 74008	Phone	918-946-3135
Sample ID	SA-021821-5857	Sample Type	Concentrate
Strain	Grimm Glue Budder	Sample Batch #	LHL-GrGILRB-0121921

Summary of Results			
Potency Profile		Terpene Profile	
Cannabinoid	Result mg/g	Terpene	Result %
CBDV	-	Camphene	-
CBDA	1.71848	Myrcene	0.468048
CBN	-	β-pinene	0.161485
CBD	-	3-Carene	-
CBGA	10.5354	Delta-limonene	0.977202
CBG	-	Cymene	-
THCV	2.76339	β-Ocimene	0.0134715
Δ9-THC	134.94	Eucalyptol	-
Δ8-THC	-	γ-Terpinene	-
THCA	729.862	α-Terpinene	-
CBC	-	Terpinolene	0.193264
Total THC %	77.5029%	Linalool	0.147323
Total THC mg/g	775.029	Isopulegol	0.33057
Microbiological Profile		Geraniol	-
All Results	Pass	β-Caryophyllene	3.38705
Mycotoxin Screening		Humulene	1.06926
All Results	Pass	Nerolidol	0.221934
Residual Solvents		Guaiol	0.0949914
All Results	Pass	Caryophyllene oxide	0.33247
Heavy Metals Screening		α-Bisabolol	0.248532
All Results	Pass	Total Terpene %	7.6456
Pesticide Screening			
All Results	Pass		
Water Activity			
All Results	NT		

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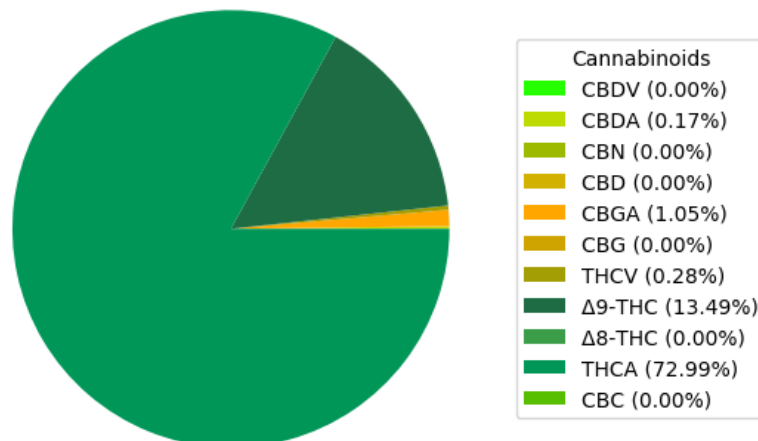
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Potency

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	0.1718	1.7185	-	1.000
CBN	ND	ND	-	1.000
CBD	ND	ND	-	1.000
CBGA	1.0535	10.5354	-	1.000
CBG	ND	ND	-	1.000
THCV	0.2763	2.7634	-	1.000
Δ9-THC	13.494	134.94	-	1.000
Δ8-THC	ND	ND	-	1.000
THCA	72.9862	729.862	-	1.000
CBC	ND	ND	-	0.885
% Moisture	NT			
Total Cannabinoids	87.9819	879.819		
Total CBD	0.1507	1.5071		
Total THC	77.5029	775.029		

Cannabinoid Distribution (%)



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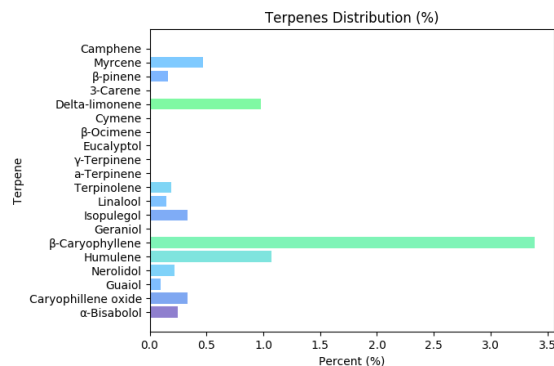
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Strain	Grimm Glue Budder	Sample Batch #	LHL-GrGILRB-0121921

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	4.6805	0.4680	-	0.000004600
β-pinene	1.6148	0.1615	-	0.000004600
3-Carene	ND	ND	-	0.000004600
Delta-limonene	9.7720	0.9772	-	0.000004600
Cymene	ND	ND	-	0.000004600
β-Ocimene	0.1347	0.0135	-	0.000004600
Eucalyptol	ND	ND	-	0.000004600
γ-Terpinene	ND	ND	-	0.000004600
α-Terpinene	ND	ND	-	0.000004600
Terpinolene	1.9326	0.1933	-	0.000004600
Linalool	1.4732	0.1473	-	0.000004600
Isopulegol	3.3057	0.3306	-	0.000004600
Geraniol	ND	ND	-	0.000004600
β-Caryophyllene	33.8705	3.3870	-	0.000004600
Humulene	10.6926	1.0693	-	0.000004600
Nerolidol	2.2193	0.2219	-	0.000004600
Guaiol	0.9499	0.0950	-	0.000004600
Caryophyllene oxide	3.3247	0.3325	-	0.000004600
α-Bisabolol	2.4853	0.2485	-	0.000004600
Total Terpenes (%):	76.456	7.6456		



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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	0.69	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