



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-021821-5863 **Sample Type** Concentrate
Strain Purple Hash Plant Budder **Sample Batch #** LHL-PHP-LRB-012921

Summary of Results			
Potency Profile		Terpene Profile	
Cannabinoid	Result mg/g	Terpene	Result %
CBDV	-	Camphene	0.032852
CBDA	1.6426	Myrcene	1.14332
CBN	-	β-pinene	0.422022
CBD	-	3-Carene	-
CBGA	28.8989	Delta-limonene	2.03412
CBG	8.3213	Cymene	-
THCV	1.70578	β-Ocimene	0.179422
Δ9-THC	95.713	Eucalyptol	-
Δ8-THC	-	γ-Terpinene	-
THCA	815.415	α-Terpinene	-
CBC	-	Terpinolene	0.0135379
Total THC %	81.0832%	Linalool	0.575451
Total THC mg/g	810.832	Isopulegol	0.209025
Microbiological Profile		Geraniol	-
All Results	Pass	β-Caryophyllene	1.25397
Mycotoxin Screening		Humulene	0.345668
All Results	Pass	Nerolidol	0.24639
Residual Solvents		Guaiol	0.101264
All Results	Pass	Caryophyllene oxide	0.133574
Heavy Metals Screening		α-Bisabolol	0.26083
All Results	Pass	Total Terpene %	6.95144
Pesticide Screening			
All Results	Pass		
Water Activity			
All Results	NT		

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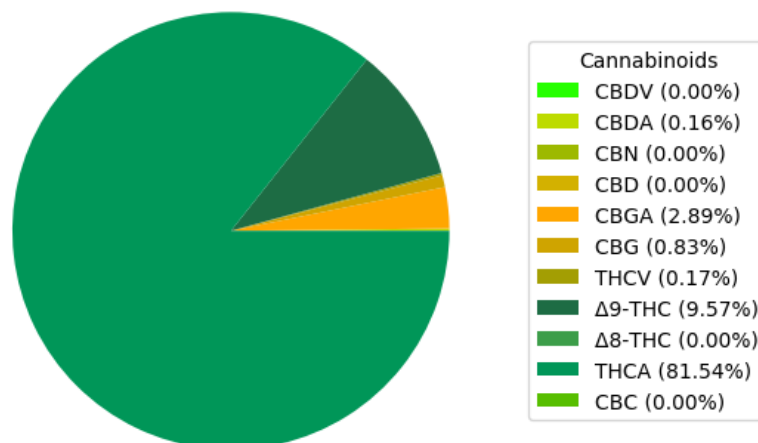
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Sample ID	SA-021821-5863	Sample Type	Concentrate
Strain	Purple Hash Plant Budder	Sample Batch #	LHL-PHP-LRB-012921

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	0.1643	1.6426	-	1.000
CBN	ND	ND	-	1.000
CBD	ND	ND	-	1.000
CBGA	2.8899	28.8989	-	1.000
CBG	0.8321	8.3213	-	1.000
THCV	0.1706	1.7058	-	1.000
Δ9-THC	9.5713	95.713	-	1.000
Δ8-THC	ND	ND	-	1.000
THCA	81.5415	815.415	-	1.000
CBC	ND	ND	-	0.885
% Moisture	NT			
Total Cannabinoids	95.1697	951.697		
Total CBD	0.1441	1.4406		
Total THC	81.0832	810.832		

Cannabinoid Distribution (%)



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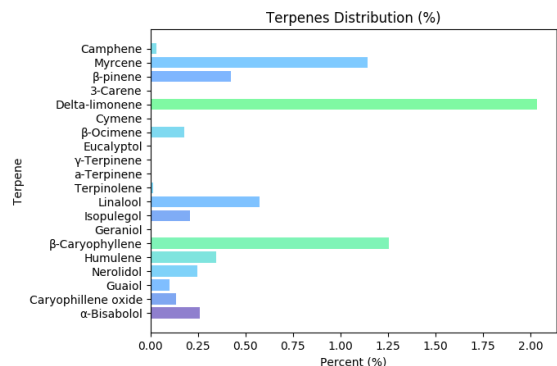
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Sample Batch # LHL-PHP-LRB-012921

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	0.3285	0.0329	-	0.000004600
Myrcene	11.4332	1.1433	-	0.000004600
β-pinene	4.2202	0.4220	-	0.000004600
3-Carene	ND	ND	-	0.000004600
Delta-limonene	20.3412	2.0341	-	0.000004600
Cymene	ND	ND	-	0.000004600
β-Ocimene	1.7942	0.1794	-	0.000004600
Eucalyptol	ND	ND	-	0.000004600
γ-Terpinene	ND	ND	-	0.000004600
α-Terpinene	ND	ND	-	0.000004600
Terpinolene	0.1354	0.0135	-	0.000004600
Linalool	5.7545	0.5755	-	0.000004600
Isopulegol	2.0903	0.2090	-	0.000004600
Geraniol	ND	ND	-	0.000004600
β-Caryophyllene	12.5397	1.2540	-	0.000004600
Humulene	3.4567	0.3457	-	0.000004600
Nerolidol	2.4639	0.2464	-	0.000004600
Guaiol	1.0126	0.1013	-	0.000004600
Caryophyllene oxide	1.3357	0.1336	-	0.000004600
α-Bisabolol	2.6083	0.2608	-	0.000004600
Total Terpenes (%):	69.5144	6.9514		



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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	1.3	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