



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-021821-5876	Sample Type	Concentrate
Strain	Gelato Budder	Sample Batch #	LHL-Gela-LRB-020121

Summary of Results			
Potency Profile		Terpene Profile	
Cannabinoid	Result mg/g	Terpene	Result %
CBDV	-	Camphene	-
CBDA	1.86131	Myrcene	2.09142
CBN	-	β-pinene	0.177372
CBD	-	3-Carene	-
CBGA	11.1588	Delta-limonene	0.67646
CBG	5.0365	Cymene	-
THCV	2.51825	β-Ocimene	0.0144161
Δ9-THC	70.8029	Eucalyptol	-
Δ8-THC	-	γ-Terpinene	-
THCA	842.509	α-Terpinene	-
CBC	-	Terpinolene	0.173358
Total THC %	80.9683%	Linalool	0.30365
Total THC mg/g	809.683	Isopulegol	0.446898
Microbiological Profile		Geraniol	-
All Results	Pass	β-Caryophyllene	2.59343
Mycotoxin Screening		Humulene	0.889416
All Results	Pass	Nerolidol	0.186679
Residual Solvents		Guaiol	0.0914234
All Results	Pass	Caryophyllene oxide	0.308029
Heavy Metals Screening		α-Bisabolol	0.363686
All Results	Pass	Total Terpene %	8.31624
Pesticide Screening			
All Results	Pass		
Water Activity			
All Results	NT		

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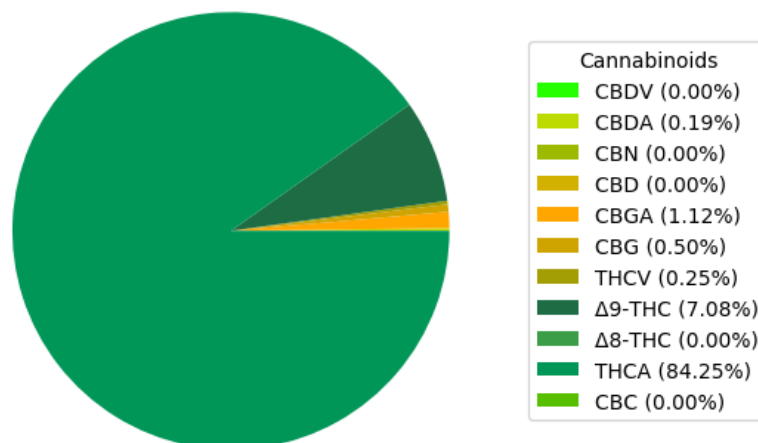
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Potency

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	0.1861	1.8613	-	1.000
CBN	ND	ND	-	1.000
CBD	ND	ND	-	1.000
CBGA	1.1159	11.1588	-	1.000
CBG	0.5037	5.0365	-	1.000
THCV	0.2518	2.5183	-	1.000
Δ9-THC	7.0803	70.8029	-	1.000
Δ8-THC	ND	ND	-	1.000
THCA	84.2509	842.509	-	1.000
CBC	ND	ND	-	0.885
% Moisture	NT			
Total Cannabinoids	93.3887	933.887		
Total CBD	0.1632	1.6324		
Total THC	80.9683	809.683		

Cannabinoid Distribution (%)



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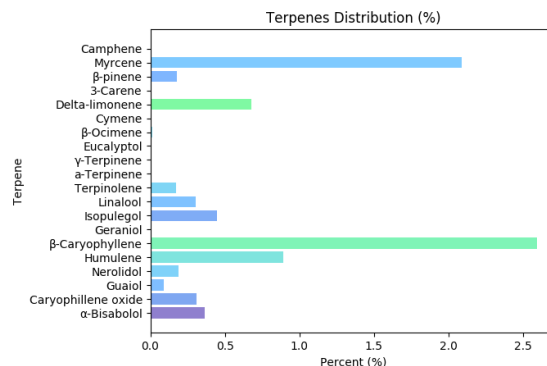
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 Bixby, OK 74008
Sample ID SA-021821-5876
Strain Gelato Budder
License Number PAAA-4KSL-N4QY
Phone 918-946-3135
Sample Type Concentrate
Sample Batch # LHL-Gela-LRB-020121

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	20.9142	2.0914	-	0.000004600
β-pinene	1.7737	0.1774	-	0.000004600
3-Carene	ND	ND	-	0.000004600
Delta-limonene	6.7646	0.6765	-	0.000004600
Cymene	ND	ND	-	0.000004600
β-Ocimene	0.1442	0.0144	-	0.000004600
Eucalyptol	ND	ND	-	0.000004600
γ-Terpinene	ND	ND	-	0.000004600
α-Terpinene	ND	ND	-	0.000004600
Terpinolene	1.7336	0.1734	-	0.000004600
Linalool	3.0365	0.3036	-	0.000004600
Isopulegol	4.4690	0.4469	-	0.000004600
Geraniol	ND	ND	-	0.000004600
β-Caryophyllene	25.9343	2.5934	-	0.000004600
Humulene	8.8942	0.8894	-	0.000004600
Nerolidol	1.8668	0.1867	-	0.000004600
Guaiol	0.9142	0.0914	-	0.000004600
Caryophyllene oxide	3.0803	0.3080	-	0.000004600
α-Bisabolol	3.6369	0.3637	-	0.000004600
Total Terpenes (%):	83.1624	8.3162		



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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	1.4	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
Etoazole	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