



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

# Certificate of Analysis

<b>Client Name</b>	Lettuce Head Labs LLC	<b>License Number</b>	PAAA-4KSL-N4QY
<b>Address</b>	19303 S 145th E Ave Bixby, OK 74008	<b>Phone</b>	918-946-3135
<b>Sample ID</b>	SA-021821-5860	<b>Sample Type</b>	Concentrate
<b>Strain</b>	Mendo Breath Budder	<b>Sample Batch #</b>	LHL-MndoB-LRB-020121

Summary of Results			
<b>Potency Profile</b>		<b>Terpene Profile</b>	
<b>Cannabinoid</b>	<b>Result mg/g</b>	<b>Terpene</b>	<b>Result %</b>
CBDV	-	Camphene	-
CBDA	2.3211	Myrcene	1.19927
CBN	-	β-pinene	0.275229
CBD	-	3-Carene	0.0211009
CBGA	15.7798	Delta-limonene	0.663119
CBG	4.92661	Cymene	-
THCV	3.78899	β-Ocimene	0.046789
Δ9-THC	91.3028	Eucalyptol	-
Δ8-THC	-	γ-Terpinene	0.0124771
THCA	745.33	α-Terpinene	0.00165138
CBC	-	Terpinolene	0.997248
<b>Total THC %</b>	74.4957%	Linalool	0.251009
<b>Total THC mg/g</b>	744.957	Isopulegol	0.156514
<b>Microbiological Profile</b>		Geraniol	-
<b>All Results</b>	<b>Pass</b>	β-Caryophyllene	5.15211
<b>Mycotoxin Screening</b>		Humulene	1.28752
<b>All Results</b>	<b>Pass</b>	Nerolidol	0.410826
<b>Residual Solvents</b>		Guaiol	0.237248
<b>All Results</b>	<b>Pass</b>	Caryophyllene oxide	0.493211
<b>Heavy Metals Screening</b>		α-Bisabolol	0.403853
<b>All Results</b>	<b>Pass</b>	<b>Total Terpene %</b>	11.6092
<b>Pesticide Screening</b>			
<b>All Results</b>	<b>Pass</b>		
<b>Water Activity</b>			
<b>All Results</b>	<b>NT</b>		

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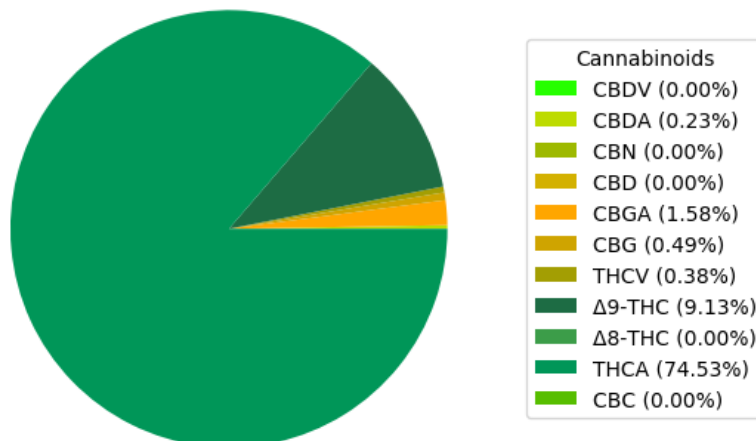
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<b>Sample ID</b>	SA-021821-5860	<b>Sample Type</b>	Concentrate
<b>Strain</b>	Mendo Breath Budder	<b>Sample Batch #</b>	LHL-MndoB-LRB-020121

## Potency

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

Cannabinoid	Result %	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
CBDV	ND	ND	-	1.000
CBDA	0.2321	2.3211	-	1.000
CBN	ND	ND	-	1.000
CBD	ND	ND	-	1.000
CBGA	1.5780	15.7798	-	1.000
CBG	0.4927	4.9266	-	1.000
THCV	0.3789	3.7890	-	1.000
Δ9-THC	9.1303	91.3028	-	1.000
Δ8-THC	ND	ND	-	1.000
THCA	74.533	745.33	-	1.000
CBC	ND	ND	-	0.885
<b>% Moisture</b>	NT			
<b>Total Cannabinoids</b>	86.3449	863.449		
<b>Total CBD</b>	0.2036	2.0356		
<b>Total THC</b>	74.4957	744.957		

Cannabinoid Distribution (%)



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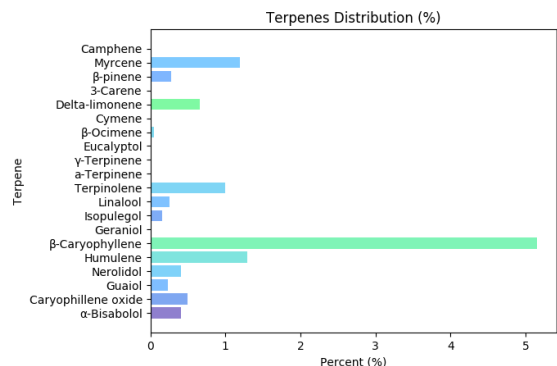
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## Terpenoid

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

Terpene	Result (mg/g)	Result (%)	LOD (ug/g)	LOQ (ug/g)
Camphene	ND	ND	-	0.000004600
Myrcene	11.9927	1.1993	-	0.000004600
β-pinene	2.7523	0.2752	-	0.000004600
3-Carene	0.2110	0.0211	-	0.000004600
Delta-limonene	6.6312	0.6631	-	0.000004600
Cymene	ND	ND	-	0.000004600
β-Ocimene	0.4679	0.0468	-	0.000004600
Eucalyptol	ND	ND	-	0.000004600
γ-Terpinene	0.1248	0.0125	-	0.000004600
α-Terpinene	0.0165	0.0017	-	0.000004600
Terpinolene	9.9725	0.9972	-	0.000004600
Linalool	2.5101	0.2510	-	0.000004600
Isopulegol	1.5651	0.1565	-	0.000004600
Geraniol	ND	ND	-	0.000004600
β-Caryophyllene	51.5211	5.1521	-	0.000004600
Humulene	12.8752	1.2875	-	0.000004600
Nerolidol	4.1083	0.4108	-	0.000004600
Guaiol	2.3725	0.2372	-	0.000004600
Caryophyllene oxide	4.9321	0.4932	-	0.000004600
α-Bisabolol	4.0385	0.4039	-	0.000004600
<b>Total Terpenes (%):</b>	<b>116.092</b>	<b>11.6092</b>		



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<b>Sample ID</b>	SA-021821-5860	<b>Sample Type</b>	Concentrate
<b>Strain</b>	Mendo Breath Budder	<b>Sample Batch #</b>	LHL-MndoB-LRB-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

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**Sample ID** SA-021821-5860  
**Strain** Mendo Breath Budder

**License Number** PAAA-4KSL-N4QY  
**Phone** 918-946-3135  
**Sample Type** Concentrate  
**Sample Batch #** LHL-MndoB-LRB-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	0.84	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