

## Certificate of Analysis

**Company:** Low Key Alchemy

**Sample ID:** Pineapple Upside Down Cake Rosin

**Lot:** MANU0013-0151

**Report Date:** 2/12/2024

**Matrix:** Concentrate

**Date Analyzed:** 2/8/2024

**Customer ID:** 221117-2

**Date Sampled:** N/A

**Analyst:** 057

**Grower License #:** MANU0013

**Date Received:** 2/1/2024

**Report ID:** C240201AH

### Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	2.91	0.29
CBGA	0.0008	79.07	7.91
CBG	0.0019	2.75	0.27
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	<LOQ	<LOQ
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	651.07	65.11
CBC	0.0024	<LOQ	<LOQ
<b>Total THC</b>		<b>570.99</b>	<b>57.10</b>
<b>Total CBD</b>		<b>2.55</b>	<b>0.26</b>
<b>Total Cannabinoids</b>		<b>735.80</b>	<b>73.58</b>

57.1%

Total THC

0.26%

Total CBD

73.58%

Total Cannabinoids

<LOQ

Δ9-THC

N/A

Percent Moisture

1 : 0

THC : CBD Ratio

**Cannabinoids Methodology:** High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows:  
 Total THC = (THCA x 0.877) + Δ9-THC      Total CBD = (CBDA x 0.877) + CBD  
 Ratio of Total CBD: Total THC      Reagent Blanks: < LOQs for all analytes

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

**Measurement of Uncertainty (MU):** the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement.  
 Δ9-THC MU = ±0.005%      Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.



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Certified by: *Luke E. M.*  
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)



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# Certificate of Analysis

**Client Name:** Low Key Alchemy  
**License Number:** MANU0013

**Sample ID:** VT7696  
**Sample Name:** Pineapple Upside Down Cake - OG  
**Sample Lot:** MANU0013-151  
**Sample Matrix:** Mechanical Extraction Concentrates  
**Date Received:** 2/19/2024  
**Date Reported:** 2/26/2024  
**Date Tested:** 2/22/2024



## Total Terpenes (%) : 8.609

Dominant Terpenes (%)	
beta-caryophyllene	2.944
Limonene	1.1827
alpha-Humulene	1.1382
alpha-Bisabolol	0.8507
Ocimene	0.7023

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #22771

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	0.2185	2.185	0.000002	0.002
alpha-Bisabolol	0.8507	8.507	0.000003	0.002
alpha-Humulene	1.1382	11.382	0.000002	0.002
alpha-Pinene	0.2326	2.326	0.000001	0.002
alpha-Terpinene	ND	ND	0.000001	0.002
alpha-Terpinolene	ND	ND	0.000004	0.002
beta-caryophyllene	2.944	29.44	0.000004	0.002
beta-Pinene	0.1885	1.885	0.000002	0.002
Camphene	< LOQ	< LOQ	0.000001	0.002
Caryophyllene Oxide	0.2891	2.891	0.000011	0.002
Eucalyptol	ND	ND	0.000002	0.002
gamma-Terpinene	ND	ND	0.000002	0.002
Geraniol	ND	ND	0.000008	0.002
Guaiol	ND	ND	0.000007	0.002
Isopulegol	ND	ND	0.000005	0.002
Isopropyl Toluene	ND	ND	0.000003	0.002
Limonene	1.1827	11.827	0.000002	0.002
Linalool	0.1003	1.003	0.000003	0.002
Nerolidol	0.0956	0.956	0.000007	0.002
Myrcene	0.6665	6.665	0.000003	0.002
Ocimene	0.7023	7.023	0.000002	0.002
<b>Total Terpenes</b>	<b>8.609</b>	<b>86.09</b>		

Callie Chapman  
 Lab Director  
 2/26/2024

In performing the services, Onward Analytics, (“OA”) shall exercise a degree of skill and care ordinarily exercised by a reasonably prudent laboratory professional under similar circumstances. Except as set forth in the preceding sentence, client acknowledges and agrees that: (a) the services may require OA to make judgements based upon limited data rather than upon scientific certainties; (b) OA’s approach, recommendations, and associated cost estimates, if any, are based on industry practices and averages; (c) OA renders its opinions with respect to observations made and data available at the time of testing; (d) ultimate outcomes could be inconsistent with OA’s conclusions, results and projections; and (e) there may be additional reports relating to the site (whether prepared by OA or other parties), and reliance upon any OA report without reference to any such other reports is done at client’s sole risk.



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**Customer ID:** 221117-2

**Date Sampled:** N/A

**Analyst:** 018

**Grower License #:** MANU0013

**Date Received:** 2/1/2024

**Report ID:** C240201AH

### Pathogen Summary

Target Pathogens	Method	LOD (cfu/g)	Result (cfu/g)
Aspergillus - flavus, fumigatus, niger, terreus	Aspergillus AOAC PTM No. 032104	5	< LOD
STEC	STEC Virx AOAC PTM No. 121203	5	< LOD
Salmonella spp.	Salmonella II AOAC PTM No. 010803	5	< LOD



Test Methodology: Bio-Rad IQ-Check PCR Kits

cfu/g = colony forming units per gram

LOD = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOD (&lt;LOD).

Reagent Blanks: &lt;LOD for all analytes

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