

# Certificate of Analysis

Sample ID: RVH-Bubbakush  
Report ID: TR- RVH-Bubbakush

**Testing for Information**

Report Date: 11/07/2019

**License No:**  
AG-R1062881AHS  
**Address:**  
Medford, OR  
97501

<b>Date Sampled:</b> Submitted on 11/06/2019	<b>Description of the sample, sampling condition. Environmental conditions that may impact interpretation of the test result:</b>  Sample appeared normal. There were no any environmental conditions that may impact interpretation of the test result.
<b>Sampled by:</b> Client	
<b>Sample Name:</b> Bubba Kush	
<b>Sample Type:</b> Flower	

## Summary of Test Results

Items	Value
Delta-9 THC:	< 0.1%
Total THC:	0.2%
Total CBD:	18.0%

LOQ: the limit of quantitation, which is the lowest amount of analyte in a sample that can be quantitatively determined by an analytical method with a suitable precision and accuracy. N/A: not applicable. These results are specific to the sample included in this report. The report may not be reproduced except in full, with written approval from MW Labs.

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Testing for Information

Report Date: 11/07/2019

## Potency Analysis

Testing method: SOP-002

Analyzed by: Yujing Wen

Analyzed date: 11/07/2019

Batch ID: PO110719

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
THCA	0.3	0.1
Delta-9 THC	< LOQ	0.1
Delta-8 THC	< LOQ	0.1
CBN	< LOQ	0.1
CBG	< LOQ	0.1
CBDA	18.9	0.1
CBD	1.5	0.1
CBC	< LOQ	0.1
Total THC: $\Delta^9+0.877\times\text{THCA}$	0.2	N/A
Total CBD: $\text{CBD}+0.877\times\text{CBDA}$	18.0	N/A
Total Cannabinoids:	20.6	N/A

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Attachments:

Note: if answer is Yes for following items, statement is attached. Otherwise, no attachment.

Deviation occurred in test? Answer: No	Opinion and interpretation provided? Answer: No
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Comments: "N/A" if there is no comment made  
N/A

Shuguo Ma, Ph.D, Quality Manager

Signature: 

Date: 07Nov2019

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# Bubba Kush

 Sample ID: 2001CSALA2334.0754  
 Matrix: Plant  
 Type: Flower - Cured  
 Sample Size: 5 grams  
 Batch Size:  
 Batch#:

 Strain: **Bubba Kush**  
 Harvested: N/A  
 Collected: 01/13/2020  
 Received: 01/13/2020  
 Completed: 02/03/2020

 Client  
**Koi CBD**  
 Lic. #  
 14631 Best Ave  
 Norwalk, CA 90650


## Summary

Pass

<b>Not Tested</b> Total Cannabinoids	<b>Pass</b> Pesticides	<b>Not Tested</b> Residual Solvents
<b>Pass</b> Microbials	<b>Pass</b> Mycotoxins	<b>Pass</b> Heavy Metals

## Terpenes

Complete

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Results	Results	
	%	%	%	mg/g	
β-Myrcene	0.00012	0.0013	0.37	3.70	
β-Caryophyllene	0.00017	0.0013	0.27	2.67	
α-Pinene	0.00015	0.0013	0.21	2.08	
δ-Limonene	0.00016	0.0013	0.17	1.68	
β-Pinene	0.00034	0.0013	0.09	0.91	
α-Humulene	0.00057	0.0013	0.08	0.81	
α-Bisabolol	0.00015	0.0013	0.04	0.42	
trans-Nerolidol	0.00058	0.0013	0.04	0.40	
Guaiol	0.00018	0.0013	0.04	0.40	
Linalool	0.00015	0.0013	0.03	0.33	
Camphene	0.00072	0.0013	ND	ND	
Caryophyllene Oxide	0.00017	0.0013	ND	ND	
Eucalyptol	0.00017	0.0013	ND	ND	
Geraniol	0.00013	0.0013	ND	ND	
Isopulegol	0.00011	0.0013	ND	ND	
Ocimene	0.00013	0.0013	ND	ND	
p-Cymene	0.0001	0.0013	ND	ND	
Terpinolene	0.00016	0.0013	ND	ND	
α-Terpinene	0.00012	0.0013	ND	ND	
γ-Terpinene	0.00012	0.0013	ND	ND	
δ-3-Carene	0.0004	0.0013	ND	ND	
<b>Total</b>			<b>1.34</b>	<b>13.40</b>	

Date Tested: 01/14/2020

<b>10.2%</b> Moisture Moisture Analyzer SOP-103 Date Tested: 01/14/2020	<b>0.470 aw</b> Water Activity Water Activity Meter SOP-102 Date Tested: 01/14/2020	<b>Pass</b> Foreign Matter Visual Inspection SOP-600 Date Tested: 01/13/2020
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 ISO / IEC 17025:2017 ACCREDITED LABORATORY  
 Accreditation No. 73653



 Mallory Speakman  
 Laboratory Director - LA  
 02/03/2020



 Anya Engen  
 Quality Review  
 02/03/2020



 Amanda Bravo  
 COA Review  
 02/03/2020

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 Batch Size:  
 Batch#:

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 Harvested: N/A  
 Collected: 01/13/2020  
 Received: 01/13/2020  
 Completed: 02/03/2020

 Client  
**Koi CBD**  
 Lic. #  
 14631 Best Ave  
 Norwalk, CA 90650

## Pesticides

**Pass**

Testing method: LCMS &amp; GCMS-SOP 301 and 302

Analyte	LOD	LOQ	Limit	Results	Status	Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.0009	0.003	0.1	ND	Pass	Fludioxonil	0.0143	0.048	0.1	ND	Pass
Acephate	0.005	0.017	0.1	ND	Pass	Hexythiazox	0.0237	0.079	0.1	ND	Pass
Acequinocyl	0.0193	0.064	0.1	ND	Pass	Imazalil *	0.0077	0.026	0.0077	ND	Pass
Acetamiprid	0.0073	0.024	0.1	ND	Pass	Imidacloprid	0.0053	0.018	5.0	ND	Pass
Aldicarb *	0.0094	0.031	0.0094	ND	Pass	Kresoxim Methyl	0.0182	0.061	0.1	ND	Pass
Azoxystrobin	0.015	0.05	0.1	ND	Pass	Malathion	0.015	0.05	0.5	ND	Pass
Bifenazate	0.0129	0.043	0.1	ND	Pass	Metaxyl	0.0076	0.025	2.0	ND	Pass
Bifenthrin	0.029	0.097	3.0	ND	Pass	Methiocarb *	0.0103	0.034	0.0103	ND	Pass
Boscalid	0.0172	0.058	0.1	ND	Pass	Methomyl	0.0109	0.036	1.0	ND	Pass
Captan	0.036	0.12	0.7	ND	Pass	Methyl Parathion *	0.0091	0.0303	0.0091	ND	Pass
Carbaryl	0.0542	0.181	0.5	ND	Pass	Mevinphos *	0.0041	0.014	0.0041	ND	Pass
Carbofuran *	0.0077	0.026	0.0077	ND	Pass	Myclobutanil	0.01	0.033	0.1	ND	Pass
Chlorantraniliprole	0.0095	0.032	10.0	ND	Pass	Naled	0.0107	0.036	0.1	ND	Pass
Chlordane *	0.0055	0.0182	0.0055	ND	Pass	Oxamyl	0.0071	0.024	0.5	ND	Pass
Chlorfenapyr *	0.0048	0.0159	0.0048	ND	Pass	Paclobutrazol *	0.0092	0.031	0.0092	ND	Pass
Chlorpyrifos *	0.0197	0.066	0.0197	ND	Pass	Pentachloronitrobenzene	0.0084	0.0279	0.1	ND	Pass
Clofentezine	0.0216	0.072	0.1	ND	Pass	Permethrin	0.0142	0.048	0.5	ND	Pass
Coumaphos *	0.0196	0.065	0.0196	ND	Pass	Phosmet	0.0138	0.046	0.1	ND	Pass
Cyfluthrin	0.0107	0.036	2.0	ND	Pass	Piperonyl Butoxide	0.0156	0.052	3.0	ND	Pass
Cypermethrin	0.0105	0.035	1.0	ND	Pass	Prallethrin	0.018	0.06	0.1	ND	Pass
Daminozide *	0.0052	0.017	0.0052	ND	Pass	Propiconazole	0.013	0.043	0.1	ND	Pass
DDVP *	0.0081	0.027	0.0081	ND	Pass	Propoxur *	0.0097	0.033	0.0097	ND	Pass
Diazinon	0.0134	0.045	0.1	ND	Pass	Pyrethrins	0.0025	0.008	0.5	ND	Pass
Dimethoate *	0.0083	0.028	0.0083	ND	Pass	Pyridaben	0.0236	0.079	0.1	ND	Pass
Dimethomorph	0.0025	0.008	2.0	ND	Pass	Spinetoram	0.0042	0.014	0.1	ND	Pass
Ethoprophos *	0.0112	0.037	0.0112	ND	Pass	Spinosad	0.0002	0.001	0.1	ND	Pass
Etofenprox *	0.0247	0.082	0.0247	ND	Pass	Spiromesifen	0.0199	0.066	0.1	ND	Pass
Etoxazole	0.0269	0.09	0.1	ND	Pass	Spirotetramat	0.0068	0.023	0.1	ND	Pass
Fenhexamid	0.0215	0.072	0.1	ND	Pass	Spiroxamine *	0.0065	0.022	0.0065	ND	Pass
Fenoxycarb *	0.0186	0.062	0.0186	ND	Pass	Tebuconazole	0.0099	0.033	0.1	ND	Pass
Fenpyroximate	0.0253	0.084	0.1	ND	Pass	Thiacloprid *	0.0094	0.031	0.0094	ND	Pass
Fipronil *	0.0228	0.076	0.0228	ND	Pass	Thiamethoxam	0.005	0.017	5.0	ND	Pass
Flonicamid	0.0073	0.024	0.1	ND	Pass	Trifloxystrobin	0.0192	0.064	0.1	ND	Pass

Date Tested: 01/14/2020

\* Denotes Category I pesticides, which fail when detected; LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


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## Microbials

Testing method: PCR-SOP 400

Pass

Analyte	Result	Status
Aspergillus flavus	Not Detected	Pass
Aspergillus fumigatus	Not Detected	Pass
Aspergillus niger	Not Detected	Pass
Aspergillus terreus	Not Detected	Pass
Salmonella	Not Detected	Pass
Shiga toxin-producing E. Coli	Not Detected	Pass

Date Tested: 01/15/2020

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

## Mycotoxins

Testing method: LCMS-SOP 301

Pass

Analyte	LOD	LOQ	Limit	Results	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
Aflatoxin B1	0.0036	0.012		ND	Tested
Aflatoxin B2	0.0092	0.031		ND	Tested
Aflatoxin G1	0.0058	0.019		ND	Tested
Aflatoxin G2	0.0034	0.011		ND	Tested
Total Aflatoxins			20.0	ND	Pass
Ochratoxin A	0.0113	0.038	20.0	ND	Pass

Date Tested: 01/14/2020

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

## Heavy Metals

Testing method: ICPMS-SOP 502

Pass

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.02	0.06	0.2	<LOQ	Pass
Cadmium	0.03	0.1	0.2	ND	Pass
Lead	0.002	0.005	0.5	0.140	Pass
Mercury	0.02	0.06	0.1	ND	Pass

Date Tested: 01/14/2020

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