## **CERTIFICATE OF ANALYSIS**

CW ANALYTICAL LABORATORIES | 510.545.6984 | 851 81st Avenue, Suite D, Oakland, CA 94621 | License No. C8-0000077-LIC

Sample Name: Sugar & Kush Batch #110619COR1

Sample Type: Edible Strain: Unknown

Submitted: October 18, 2019 Tested: October 18, 2019 Expires: October 18, 2020

Submitted for: Chemres, Micro, Residual Solvent,

#### Profiling by Liquid Chromatography -

Cannabinoid	Percent	mg/g Total mg	mg/svg LO	Q (mg/g) LC	D (mg/g)	L.C. <sup>1</sup>	Status
d9-THC	NA	NA			-		
d8-THC	NA	NA					
THCA	NA	NA					
THCV	NA	NA					
THCVA	NA	NA					
CBG	NA	NA					
CBGA	NA	NA					
CBN	NA	NA					
CBD	NA	NA					
CBDV	NA	NA					
CBDA	NA	NA					
Total	NA	NA	NA	NA	NA	-	
Total THC			-	-	-		
Total CBD			-	-	-		

<sup>1</sup>L.C. = Label Claim in Percentage (%) Total THC = ((THCA\*0.877)+ d9-THC) Total CBD = ((CBDA\*0.877)+ CBD)

# Microbiological Screening - Pass

Petriflim screening for microbiological contamination. [SOP-009] | Date Performed: 2019-10-18

	Analysis	Limit of Detection	Action Limits	Status	
Shiga-Toxin E. Coli	ND	< 1 cfu/g	1 cfu/g	Pass	
Salmonella	ND	< 1 cfu/g	1 cfu/g	Pass	

\*TNTC = Too Numerous To Count

<sup>1</sup>ND = Not Detected

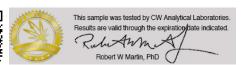
#### Residual Solvent Analysis - Pass

Analysis of residual solvents. [SOP-011] | Date Performed: 2019-10-18

Solvent	ug/g	Action Limit (ug/g)	LOQ (ug/g)	LOD (ug/g)	Status	
Benzene	ND <sup>1</sup>	1.0	1.00	0.33	Pass	
Chloroform	$ND^1$	1.0	1.00	0.33	Pass	
1-2-Dichloroethane	$ND^1$	1.0	1.00	0.33	Pass	
Ethylene Oxide	$ND^1$	1.0	1.00	0.33	Pass	
Methylene Chloride	$ND^1$	1.0	1.00	0.33	Pass	
Trichloroethylene	$ND^1$	1.0	1.00	0.33	Pass	
Acetone	$ND^1$	5000	150.00	10.00	Pass	
Acetonitrile	$ND^1$	410	6.00	2.30	Pass	
Ethanol	$ND^1$	5000	250.00	2.00	Pass	
Ethyl Acetate	$ND^1$	5000	250.00	2.00	Pass	
Diethyl ether	$ND^1$	5000	250.00	2.00	Pass	
Heptane	$ND^1$	5000	250.00	2.00	Pass	
Hexane	$ND^1$	290	6.00	2.00	Pass	
Isopropanol	$ND^1$	5000	50.00	10.00	Pass	
Methanol	<loq< td=""><td>3000</td><td>50.00</td><td>10.00</td><td>Pass</td><td></td></loq<>	3000	50.00	10.00	Pass	
N-Butane	$ND^1$	5000	50.00	6.50	Pass	
Pentane	$ND^1$	5000	50.00	1.00	Pass	
Propane	$ND^1$	5000	200.00	10.00	Pass	
Toluene	$ND^1$	890	3.00	1.00	Pass	
Total Xylenes	$ND^1$	2170	3.00	1.00	Pass	

#### Foreign Material Analysis -

**Analysis Status** 



<sup>\*</sup>ND = Not Detected
\*\*Client Limit is self-selected and will be replaced by official CA State limits when they become available

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Sample Type: Edible Strain: Unknown

## **Chemical Residue Screening - Pass**

Targeted analysis of chemical residues. [SOP-017] | Date Performed: 2019-10-22

rargeted analysis of chemical re	ug/g			g/g) Action Limit (ug/g)	Status		ug/g	LOQ (u	g/g)LOD (uç	<sub>/g)</sub> Action Limit (ug/g)	Status
Abamectin	ND <sup>1</sup>	0.04	0.02	0.30	Pass	Fludioxonil	ND <sup>1</sup>	0.08	0.04	30.00	Pass
Acephate	$ND^1$	0.08	0.04	5.00	Pass	Hexythiazox	$ND^1$	0.04	0.02	2.00	Pass
Acequinocyl	$ND^1$	0.04	0.02	4.00	Pass	Imazalil	$ND^1$	0.04	0.02	0.00	Pass
Acetamiprid	$ND^1$	0.02	0.01	5.00	Pass	Imidacloprid	$ND^1$	0.10	0.04	3.00	Pass
Aldicarb	$ND^1$	0.04	0.02	0.00	Pass	Kresoxim-methyl	$ND^1$	0.10	0.04	1.00	Pass
Azoxystrobin	$ND^1$	0.02	0.01	40.00	Pass	Malathion	$ND^1$	0.04	0.02	5.00	Pass
Bifenazate	$ND^1$	0.02	0.01	5.00	Pass	Metalaxyl	$ND^1$	0.04	0.02	15.00	Pass
Bifenthrin	$ND^1$	0.08	0.04	0.50	Pass	Methiocarb	$ND^1$	0.04	0.02	0.00	Pass
Boscalid	$ND^1$	0.04	0.02	10.00	Pass	Methomyl	$ND^1$	0.08	0.04	0.10	Pass
Captan	$ND^1$	0.04	0.02	5.00	Pass	Mevinphos	$ND^1$	0.08	0.04	0.00	Pass
Carbaryl	$ND^1$	0.04	0.02	0.50	Pass	Myclobutanil	$ND^1$	0.10	0.04	9.00	Pass
Carbofuran	$ND^1$	0.04	0.02	0.00	Pass	Naled	$ND^1$	0.02	0.01	0.50	Pass
Chlorantraniliprole	$ND^1$	0.08	0.04	40.00	Pass	Oxamyl	$ND^1$	0.04	0.02	0.20	Pass
Chlordane	$ND^1$	0.10	0.04	0.00	Pass	Paclobutrazol	$ND^1$	0.04	0.02	0.00	Pass
Chlorfenapyr	$ND^1$	0.10	0.04	0.00	Pass	Parathion methyl	$ND^1$	0.04	0.02	0.00	Pass
Chlorpyrifos	$ND^1$	0.08	0.04	0.00	Pass	PCNB	$ND^1$	0.02	0.01	0.20	Pass
Clofentezine	$ND^1$	0.02	0.01	0.50	Pass	Permethrin	$ND^1$	0.10	0.04	20.00	Pass
Coumaphos	$ND^1$	0.04	0.02	0.00	Pass	Phosmet	$ND^1$	0.04	0.02	0.20	Pass
Cyfluthrin	$ND^1$	0.10	0.04	1.00	Pass	Piperonyl butoxide	$ND^1$	0.10	0.04	8.00	Pass
Cypermethrin	$ND^1$	0.10	0.04	1.00	Pass	Prallethrin	$ND^1$	0.10	0.04	0.40	Pass
Daminozide	$ND^1$	0.08	0.04	0.00	Pass	Propiconazole	$ND^1$	0.08	0.04	20.00	Pass
Diazinon	$ND^1$	0.02	0.01	0.20	Pass	Propoxur	$ND^1$	0.02	0.01	0.00	Pass
Dichlorvos	$ND^1$	0.01	0.01	0.00	Pass	Pyrethrin	$ND^1$	0.04	0.01	1.00	Pass
Dimethoate	$ND^1$	0.04	0.02	0.00	Pass	Pyridaben	$ND^1$	0.04	0.02	15.00	Pass
Dimethomorph	$ND^1$	0.04	0.02	20.00	Pass	Spinetoram	$ND^1$	0.08	0.04	3.00	Pass
Ethoprophos	$ND^1$	0.02	0.01	0.00	Pass	Spinosad	$ND^1$	0.04	0.02	3.00	Pass
Etofenprox	$ND^1$	0.04	0.02	0.00	Pass	Spiromesifen	$ND^1$	0.08	0.04	12.00	Pass
Etoxazole	$ND^1$	0.04	0.02	1.50	Pass	Spirotetramat	$ND^1$	0.04	0.02	13.00	Pass
Fenhexamid	$ND^1$	0.08	0.04	10.00	Pass	Spiroxamine	$ND^1$	0.04	0.02	0.00	Pass
Fenoxycarb	$ND^1$	0.04	0.02	0.00	Pass	Tebuconazole	$ND^1$	0.08	0.04	2.00	Pass
Fenpyroximate	$ND^1$	0.08	0.04	2.00	Pass	Thiacloprid	$ND^1$	0.04	0.02	0.00	Pass
Fipronil	$ND^1$	0.08	0.04	0.00	Pass	Thiamethoxam	$ND^1$	0.04	0.02	4.50	Pass
Flonicamid *ND = Not Detected	ND <sup>1</sup>	0.04	0.02	0.20	Pass	Trifloxystrobin	ND <sup>1</sup>	0.01	0.01	30.00	Pass

<sup>\*</sup>ND = Not Detected NT = Not Tested

#### **Heavy Metals Profiling - Pass**

Analysis of Heavy Metals. [SOP-012] | Date Performed: 2019-10-20

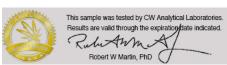
	ug/g	LOQ(ug/g)	LOD(ug/g)	Action Limit (ug/g)	Status
Cadmium	<loq< td=""><td>0.04</td><td>0.01</td><td>0.5</td><td>Pass</td></loq<>	0.04	0.01	0.5	Pass
Lead	$ND^1$	0.04	0.01	0.5	Pass
Arsenic	$ND^1$	0.07	0.02	1.5	Pass
Mercury	$ND^1$	0.05	0.02	3.0	Pass
<sup>1</sup> ND = Not Detected			•		•

Water Activity -

Analysis to determine water activity | Date Performed

Aw Action Limit (Aw) Status





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Expires: October 18, 2020 Submitted for: Chemres, Micro, Residual Solvent,

Mycotoxin Screening -

Analysis of Mycotoxins.   Date Performed:		LOQ (mg/g)	LOD (mg/g)	Status
Aflatoxin B1	NT			
aflatoxin B2	NT			
Aflatoxin G1	NT			
Aflatoxin G2	NT			
Ochratoxin A	NT			
ND = Not Detected				

#### **Terpene Profiling -**

Analysis of ternence	ISOP-0121   Date Performed

Analysis of terpenes. [SOP-012]   Date Perform						
	PPM	mg/g	LOQ (mg/g)	LOD (mg/g)	L.C. <sup>2</sup>	Status
b-Myrcene	NT					
	N.I.T.					
a-Bisabolol	NT					
d3-Carene	NT					
d-Limonene	NT NT					
g-Terpinene a-Pinene	NT					
a i iliciic	141					
b-Pinene	NT					
Camphene	NT					
	N.I.T.					
b-Caryophyllene	NT					
Isopulegol	NT					
Linalool	NT					
a Carvonhyllono	NT					
a-Caryophyllene guaiol	NT					
gaaror						
Terpinolene	NT					
a-Terpinene	NT					

**Total Terpenes** 

0.0 PPM



