

**Sample Name: Focus**

Client: kushypunch  
 Sample Type: Ecartridge  
 Strain: Unknown  
 Moisture: 0.0% [LPG-001]

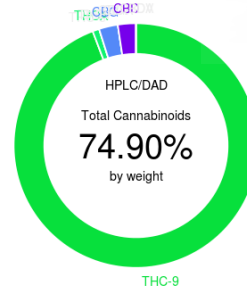
Submitted: April 04, 2018  
 Tested: April 04, 2018  
 Expires: April 01, 2019  
 Submitted for: HPLC, Chemres, Terpenes,



**Profiling by Liquid Chromatography - Pass**

(SOP-014) | Date Performed: 2018-04-04

Cannabinoid	Percent	mg/g	LOQ	LOD	L.C. <sup>1</sup>	Status
d9-THC	70.59	705.90	5.00	1.67	-	Pass
d8-THC	ND <sup>1</sup>	ND <sup>1</sup>	5.00	1.67	-	Pass
THCA	0.66	6.60	5.00	1.67	-	Pass
THCV	<LOQ	<LOQ	5.00	1.67	-	Pass
CBG	1.87	18.70	5.00	1.67	-	Pass
CBGA	ND <sup>1</sup>	ND <sup>1</sup>	5.00	1.67	-	Pass
CBN	<LOQ	<LOQ	5.00	1.67	-	Pass
CBD	1.78	17.80	5.00	1.67	-	Pass
CBDV	ND <sup>1</sup>	ND <sup>1</sup>	5.00	1.67	-	Pass
CBDA	ND <sup>1</sup>	ND <sup>1</sup>	5.00	1.67	-	Pass
<b>Total</b>	<b>74.90</b>	<b>749.09</b>	<b>NA</b>	<b>NA</b>	<b>-</b>	<b>Pass</b>



-99% Decarboxylated THC  
<sup>1</sup>L.C. = Label Claim in percentage units

**Microbiological Screening -**

Petrifilm screening for microbiological contamination. [SOP-009] | Date Performed:

	Analysis	Limit of Detection	Action Limits	Status
Shiga-Toxin E. Coli	NA	< 1 cfu/g	cfu/g	
Salmonella	NA	< 1 cfu/g	cfu/g	
Aspergillus	NA	< 1 cfu/g	cfu/g	
Pseudomonas	NA	< 1 cfu/g	cfu/g	
APC	NA	< 1 cfu/g	cfu/g	
E. Coli	NA	< 1 cfu/g	cfu/g	
Coliform	NA	< 1 cfu/g	cfu/g	
Yeast & Mold	NA	< 1 cfu/g	cfu/g	

\*TNTC = Too Numerous To Count

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

**Residual Solvent Analysis -**

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

Solvent	ug/g	Action Limit	LOQ	LOD	Status
Benzene	NT				
Chloroform	NT				
1,2-Dichloroethane	NT				
Ethylene Oxide	NT				
Methylene Chloride	NT				
Trichloroethylene	NT				
Acetone	NT				
Acetonitrile	NT				
Ethanol	NT				
Ethyl Acetate	NT				
Heptane	NT				
Hexane	NT				
Isopropanol	NT				
Methanol	NT				
N-Butane	NT				
Pentane	NT				
Propane	NT				
Toluene	NT				
Total Xylenes	NT				

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

CW uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgement. However, CW makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of these data in any way. Further, CW makes no claims regarding the representativeness of the analyzed sample to the larger batch from which it was taken. As part of our strict confidentiality policy, CW can only discuss results with the original client of record. Comments? lab@cwanalytical.com



This sample was tested by CW Analytical Laboratories. Results are valid through the expiration date indicated.

*Robert W Martin, PhD*  
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**Chemical Residue Screening - Pass**

Targeted analysis of chemical residues. [SOP-017] | Date Performed: 2018-04-05

	ug/g	LOQ	LOD	Action Limit	Status		ug/g	LOQ	LOD	Action Limit	Status
Abamectin	ND <sup>1</sup>	0.04	0.01	0.10	Pass	Fludioxonil	ND <sup>1</sup>	0.03	0.01	0.10	Pass
Acephate	ND <sup>1</sup>	0.31	0.10	0.10	Pass	Hexythiazox	ND <sup>1</sup>	0.04	0.01	0.10	Pass
Acequinocyl	ND <sup>1</sup>	0.03	0.01	0.10	Pass	Imazalil	ND <sup>1</sup>	0.01	0.01	0.00	Pass
Acetamiprid	ND <sup>1</sup>	0.03	0.01	0.10	Pass	Imidacloprid	ND <sup>1</sup>	0.04	0.01	5.00	Pass
Aldicarb	ND <sup>1</sup>	0.04	0.01	0.00	Pass	Kresoxim-methyl	ND <sup>1</sup>	0.02	0.01	0.10	Pass
Azoxystrobin	ND <sup>1</sup>	0.02	0.01	0.10	Pass	Metalaxyl	ND <sup>1</sup>	0.01	0.01	2.00	Pass
Bifenazate	ND <sup>1</sup>	0.03	0.01	0.10	Pass	Methiocarb	ND <sup>1</sup>	0.03	0.01	0.00	Pass
Bifenthrin	ND <sup>1</sup>	0.17	0.06	3.00	Pass	Methomyl	ND <sup>1</sup>	0.03	0.01	1.00	Pass
Boscalid	ND <sup>1</sup>	0.03	0.01	0.10	Pass	Mevinphos	ND <sup>1</sup>	0.03	0.01	0.00	Pass
Captan	ND <sup>1</sup>	0.07	0.02	0.70	Pass	Myclobutanil	ND <sup>1</sup>	0.03	0.01	0.10	Pass
Carbaryl	ND <sup>1</sup>	0.03	0.01	0.50	Pass	Naled	ND <sup>1</sup>	0.06	0.02	0.10	Pass
Carbofuran	ND <sup>1</sup>	0.02	0.01	0.00	Pass	Oxamyl	ND <sup>1</sup>	0.04	0.01	0.50	Pass
Chlorantraniliprole	ND <sup>1</sup>	0.06	0.02	10.00	Pass	Paclbutrazol	ND <sup>1</sup>	0.03	0.01	0.00	Pass
Chlordane	ND <sup>1</sup>	0.12	0.04	0.00	Pass	Parathion methyl	ND <sup>1</sup>	0.14	0.05	0.00	Pass
Chlorfenapyr	ND <sup>1</sup>	0.06	0.02	0.00	Pass	PCNB	ND <sup>1</sup>	0.05	0.02	0.10	Pass
Chlorpyrifos	ND <sup>1</sup>	0.13	0.04	0.00	Pass	Permethrin	ND <sup>1</sup>	0.05	0.02	0.50	Pass
Clofentezine	ND <sup>1</sup>	0.04	0.01	0.10	Pass	Phosmet	ND <sup>1</sup>	0.02	0.01	0.10	Pass
Coumaphos	ND <sup>1</sup>	0.05	0.02	0.00	Pass	Piperonyl butoxide	0.12	0.02	0.01	3.00	Pass
Cyfluthrin	ND <sup>1</sup>	0.13	0.04	2.00	Pass	Prallethrin	ND <sup>1</sup>	0.07	0.02	0.10	Pass
Cypermethrin	ND <sup>1</sup>	0.10	0.03	1.00	Pass	Propiconazole	ND <sup>1</sup>	0.02	0.01	0.10	Pass
Daminozide	ND <sup>1</sup>	0.05	0.02	0.00	Pass	Propoxure	ND <sup>1</sup>	0.02	0.01	0.00	Pass
Diazinon	ND <sup>1</sup>	0.02	0.01	0.10	Pass	Pyrethrin	ND <sup>1</sup>	0.09	0.03	0.50	Pass
Dichlorvos	ND <sup>1</sup>	0.03	0.01	0.00	Pass	Pyridaben	ND <sup>1</sup>	0.00	0.00	0.10	Pass
Dimethoate	ND <sup>1</sup>	0.05	0.02	0.00	Pass	Spinetoram	ND <sup>1</sup>	0.03	0.01	0.10	Pass
Dimethomorph	ND <sup>1</sup>	0.01	0.01	2.00	Pass	Spinosad	ND <sup>1</sup>	0.02	0.01	0.10	Pass
Ethoprophos	ND <sup>1</sup>	0.05	0.02	0.00	Pass	Spiromesifen	ND <sup>1</sup>	0.07	0.02	0.10	Pass
Etofenprox	ND <sup>1</sup>	0.03	0.01	0.00	Pass	Spirotetramat	ND <sup>1</sup>	0.03	0.01	0.10	Pass
Etoxazole	ND <sup>1</sup>	0.02	0.01	0.10	Pass	Spiroxamine	ND <sup>1</sup>	0.03	0.01	0.00	Pass
Fenhexamid	ND <sup>1</sup>	0.03	0.01	0.10	Pass	Tebuconazole	ND <sup>1</sup>	0.06	0.02	0.10	Pass
Fenoxycarb	ND <sup>1</sup>	0.03	0.01	0.00	Pass	Thiacloprid	ND <sup>1</sup>	0.02	0.01	0.00	Pass
Fenpyroximate	ND <sup>1</sup>	0.03	0.01	0.10	Pass	Thiamethoxam	ND <sup>1</sup>	0.02	0.01	5.00	Pass
Fipronil	ND <sup>1</sup>	0.04	0.01	0.00	Pass	Trifloxystrobin	ND <sup>1</sup>	0.04	0.01	0.10	Pass
Flonicamid	ND <sup>1</sup>	0.04	0.01	0.10	Pass						

<sup>1</sup>ND = Not Detected  
<sup>2</sup>NT = Not Tested

**Terpene Profiling - Pass**

Analysis of terpenes. [SOP-012] | Date Performed: 2018-04-06

	Percent	mg/g	LOQ	LOD	L.C. <sup>2</sup>	Status		Percent	mg/g	LOQ	LOD	L.C. <sup>2</sup>	Status
b-Myrcene	0.13	1.32	0.1	0.03	-	Pass	Camphor	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
Nerol	0.25	2.52	0.1	0.03	-	Pass	Borneol	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
Nerolidol	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass	Pulegone	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
Ocimene	0.03	0.32	0.1	0.03	-	Pass	Cedrol	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
a-Bisbolol	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass	b-Caryophyllene	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
Farnasene	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass	Elemene	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
Valencene	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass	Phellandrene	0.01	0.06	0.1	0.03	-	Pass
d3-Carene	0.01	0.07	0.1	0.03	-	Pass	Isopulegol	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
d-Limonene	6.26	62.60	0.1	0.03	-	Pass	Linalool	0.17	1.71	0.1	0.03	-	Pass
g-Terpinene	0.08	0.81	0.1	0.03	-	Pass	(+)-Fenchone	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
a-Pinene	0.04	0.42	0.1	0.03	-	Pass	a-Caryophyllene	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
Sabinene	0.30	3.02	0.1	0.03	-	Pass	Guaiol	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
b-Pinene	0.15	1.50	0.1	0.03	-	Pass	Bergamotene	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
Camphene	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass	Terpineol	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
Eucalyptol	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass	Terpinolene	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
(-)-Fenchone	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass	a-Terpinene	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass
Fenchol	ND <sup>1</sup>	0.00	0.1	0.03	-	Pass							

**Total Terpenes 7.4 Percent**

<sup>1</sup>ND = Not Detected  
<sup>2</sup>L.C. = Label Claim

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