

Sample Name: Kush CBD Vape - Blue Dream

Client: kvvinc  
 Sample Type: Ecartridge  
 Strain: Unknown

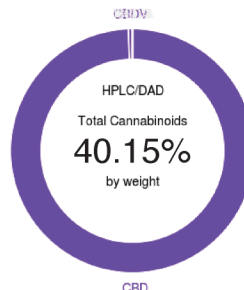
Submitted: February 25, 2020  
 Tested: February 25, 2020  
 Expires: February 25, 2021  
 Submitted for: HPLC, Chemres,



Profiling by Liquid Chromatography - Pass

(SOP-014) | Date Performed: 2020-02-25

Cannabinoid	Percent	mg/g	LOQ (mg/g)	LOD (mg/g)	L.C. <sup>1</sup>	Status
d9-THC	ND <sup>1</sup>	ND <sup>1</sup>	1.00	0.33	-	Pass
d8-THC	ND <sup>1</sup>	ND <sup>1</sup>	1.00	0.33	-	Pass
THCA	ND <sup>1</sup>	ND <sup>1</sup>	1.00	0.33	-	Pass
THCV	ND <sup>1</sup>	ND <sup>1</sup>	1.00	0.33	-	Pass
THCVA	ND <sup>1</sup>	ND <sup>1</sup>	1.00	0.33	-	Pass
CBG	ND <sup>1</sup>	ND <sup>1</sup>	1.00	0.33	-	Pass
CBGA	ND <sup>1</sup>	ND <sup>1</sup>	1.00	0.33	-	Pass
CBN	ND <sup>1</sup>	ND <sup>1</sup>	1.00	0.33	-	Pass
CBD	39.99	399.93	1.00	0.33	-	Pass
CBDV	0.16	1.60	1.00	0.33	-	Pass
CBDA	ND <sup>1</sup>	ND <sup>1</sup>	1.00	0.33	-	Pass
<b>Total</b>	<b>40.15</b>	<b>401.530</b>	<b>NA</b>	<b>NA</b>	<b>-</b>	<b>Pass</b>
<b>Total THC</b>	<b>ND<sup>1</sup></b>	<b>ND<sup>1</sup></b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Pass</b>
<b>Total CBD</b>	<b>39.99</b>	<b>399.93</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Pass</b>



HPLC/DAD results are not moisture normalized.  
 ~0% Decarboxylated THC  
<sup>1</sup>L.C. = Label Claim in mg/g  
 Total THC = ((THCA\*0.877)+ d9-THC)  
 Total CBD = ((CBDA\*0.877)+ CBD)

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 (ug/g)	LOQ (ug/g)	LOD (ug/g)	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				
Diethyl ether	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

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**Chemical Residue Screening - Pass**

Targeted analysis of chemical residues. [SOP-017] | Date Performed: 2020-02-25

	ug/g	LOQ (ug/g)	LOD (ug/g)	Action Limit (ug/g)	Status		ug/g	LOQ (ug/g)	LOD (ug/g)	Action Limit (ug/g)	Status
Abamectin	ND <sup>1</sup>	0.04	0.02	0.10	Pass	Fludioxonil	ND <sup>1</sup>	0.08	0.04	0.10	Pass
Acephate	ND <sup>1</sup>	0.08	0.04	0.10	Pass	Hexythiazox	ND <sup>1</sup>	0.04	0.02	0.10	Pass
Acequinocyl	ND <sup>1</sup>	0.04	0.02	0.10	Pass	Imazalil	ND <sup>1</sup>	0.04	0.02	0.00	Pass
Acetamiprid	ND <sup>1</sup>	0.02	0.01	0.10	Pass	Imidacloprid	ND <sup>1</sup>	0.10	0.04	5.00	Pass
Aldicarb	ND <sup>1</sup>	0.04	0.02	0.00	Pass	Kresoxim-methyl	ND <sup>1</sup>	0.10	0.04	0.10	Pass
Azoxystrobin	ND <sup>1</sup>	0.02	0.01	0.10	Pass	Malathion	ND <sup>1</sup>	0.04	0.02	0.50	Pass
Bifenazate	ND <sup>1</sup>	0.02	0.01	0.10	Pass	Metalaxyl	ND <sup>1</sup>	0.04	0.02	2.00	Pass
Bifenthrin	ND <sup>1</sup>	0.08	0.04	3.00	Pass	Methiocarb	ND <sup>1</sup>	0.04	0.02	0.00	Pass
Boscalid	ND <sup>1</sup>	0.04	0.02	0.10	Pass	Methomyl	ND <sup>1</sup>	0.08	0.04	1.00	Pass
Captan	ND <sup>1</sup>	0.04	0.02	0.70	Pass	Mevinphos	ND <sup>1</sup>	0.08	0.04	0.00	Pass
Carbaryl	ND <sup>1</sup>	0.04	0.02	0.50	Pass	Myclobutanil	ND <sup>1</sup>	0.10	0.04	0.10	Pass
Carbofuran	ND <sup>1</sup>	0.04	0.02	0.00	Pass	Naled	ND <sup>1</sup>	0.02	0.01	0.10	Pass
Chlorantraniliprole	ND <sup>1</sup>	0.08	0.04	10.00	Pass	Oxamyl	ND <sup>1</sup>	0.04	0.02	0.50	Pass
Chlordane	ND <sup>1</sup>	0.10	0.04	0.00	Pass	Paclobutrazol	ND <sup>1</sup>	0.04	0.02	0.00	Pass
Chlorfenapyr	ND <sup>1</sup>	0.10	0.04	0.00	Pass	Parathion methyl	ND <sup>1</sup>	0.04	0.02	0.00	Pass
Chlorpyrifos	ND <sup>1</sup>	0.08	0.04	0.00	Pass	PCNB	ND <sup>1</sup>	0.05	0.02	0.10	Pass
Clofentezine	ND <sup>1</sup>	0.02	0.01	0.10	Pass	Permethrin	ND <sup>1</sup>	0.10	0.04	0.50	Pass
Coumaphos	ND <sup>1</sup>	0.04	0.02	0.00	Pass	Phosmet	ND <sup>1</sup>	0.04	0.02	0.10	Pass
Cyfluthrin	ND <sup>1</sup>	0.10	0.04	2.00	Pass	Piperonyl butoxide	ND <sup>1</sup>	0.10	0.04	3.00	Pass
Cypermethrin	ND <sup>1</sup>	0.10	0.04	1.00	Pass	Prallethrin	ND <sup>1</sup>	0.10	0.04	0.10	Pass
Daminozide	ND <sup>1</sup>	0.08	0.04	0.00	Pass	Propiconazole	ND <sup>1</sup>	0.08	0.04	0.10	Pass
Diazinon	ND <sup>1</sup>	0.02	0.01	0.10	Pass	Propoxur	ND <sup>1</sup>	0.02	0.01	0.00	Pass
Dichlorvos	ND <sup>1</sup>	0.03	0.01	0.00	Pass	Pyrethrin	ND <sup>1</sup>	0.09	0.03	0.50	Pass
Dimethoate	ND <sup>1</sup>	0.04	0.02	0.00	Pass	Pyridaben	ND <sup>1</sup>	0.04	0.02	0.10	Pass
Dimethomorph	ND <sup>1</sup>	0.04	0.02	2.00	Pass	Spinetoram	ND <sup>1</sup>	0.08	0.04	0.10	Pass
Ethoprophos	ND <sup>1</sup>	0.05	0.02	0.00	Pass	Spinosad	ND <sup>1</sup>	0.04	0.02	0.10	Pass
Etofenprox	ND <sup>1</sup>	0.04	0.02	0.00	Pass	Spiromesifen	ND <sup>1</sup>	0.08	0.04	0.10	Pass
Etoxazole	ND <sup>1</sup>	0.04	0.02	0.10	Pass	Spirotetramat	ND <sup>1</sup>	0.04	0.02	0.10	Pass
Fenhexamid	ND <sup>1</sup>	0.08	0.04	0.10	Pass	Spiroxamine	ND <sup>1</sup>	0.04	0.02	0.00	Pass
Fenoxycarb	ND <sup>1</sup>	0.04	0.02	0.00	Pass	Tebuconazole	ND <sup>1</sup>	0.08	0.04	0.10	Pass
Fenpyroximate	ND <sup>1</sup>	0.08	0.04	0.10	Pass	Thiacloprid	ND <sup>1</sup>	0.04	0.02	0.00	Pass
Fipronil	ND <sup>1</sup>	0.08	0.04	0.00	Pass	Thiamethoxam	ND <sup>1</sup>	0.04	0.02	5.00	Pass
Fonicamid	ND <sup>1</sup>	0.04	0.02	0.10	Pass	Trifloxystrobin	ND <sup>1</sup>	0.04	0.01	0.10	Pass

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

**Heavy Metals Profiling - Pass**

Analysis of Heavy Metals. [SOP-012] | Date Performed: 2020-02-27

	ug/g	LOQ(ug/g)	LOD(ug/g)	Action Limit (ug/g)	Status
Cadmium	ND <sup>1</sup>	0.04	0.01	0.2	Pass
Lead	0.05	0.04	0.01	0.5	Pass
Arsenic	<LOQ	0.07	0.02	0.2	Pass
Mercury	ND <sup>1</sup>	0.05	0.02	0.1	Pass

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

**Water Activity -**

Analysis to determine water activity | Date Performed:

Aw	Action Limit (Aw)	Status

**Foreign Material Analysis -**

Analysis to determine whether foreign material is present | Date Performed:

Analysis	Status

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**Mycotoxin Screening - Pass**

Analysis of Mycotoxins. | Date Performed: 2020-02-25

	ug/kg	LOQ (mg/g)	LOD (mg/g)	Status
Aflatoxin B1	ND <sup>1</sup>	3.0	1.0	Pass
aflatoxin B2	ND <sup>1</sup>	3.0	1.0	Pass
Aflatoxin G1	ND <sup>1</sup>	3.0	1.0	Pass
Aflatoxin G2	ND <sup>1</sup>	3.0	1.0	Pass
Ochratoxin A	ND <sup>1</sup>	4.5	1.5	Pass

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

**Terpene Profiling -**

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

	PPM	mg/g	LOQ (mg/g)	LOD (mg/g)	L.C. <sup>2</sup>	Status
b-Myrcene	NT					
a-Bisabolol	NT					
d3-Carene	NT					
d-Limonene	NT					
g-Terpinene	NT					
a-Pinene	NT					
b-Pinene	NT					
Camphene	NT					
b-Caryophyllene	NT					
Isopulegol	NT					
Linalool	NT					
a-Caryophyllene	NT					
guaiol	NT					
Terpinolene	NT					
a-Terpinene	NT					

**Total Terpenes**

0.0 PPM

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

<sup>2</sup>L.C. = Label Claim

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