



Sample HHC Vape Cartridge Pineapple Express 1 ml

Sample ID:	BBL_3007	Matrix:	Distillate	Analyses Executed:	FULL PANEL
Company:	3Chi	Batch ID:	17Aug2022-HHCPE	Reported:	06 Sep, 2022
Phone:		Received:	18 Aug, 2022		
Address:	275 Medical Dr. 857 Carmel. IN 46082				
Email:	support@3chi.com				

Lab Notes: Results reported for sample as received

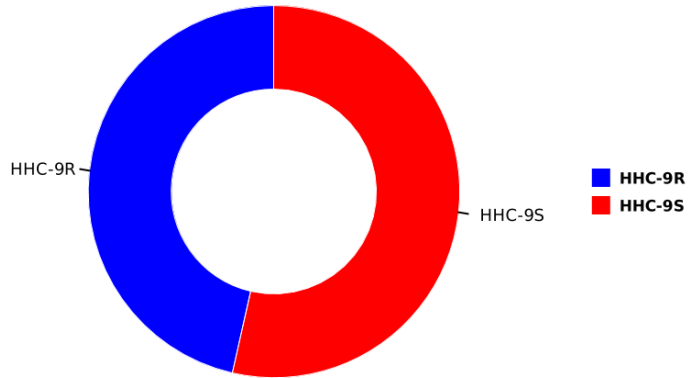
Cannabinoid Profile Analysis

Analyzed 29 Aug, 2022 | Instrument HPLC-PDA | Method TM-101
 Uncertainty Measurement at 95% confidence level is 10%, k=2

Analyte	LOD (ppm)	LOQ (ppm)	Result %	Result (mg/g)
Cannabidiol (CBD)	0.030	0.080	ND	ND
Cannabidiol (CBD)	0.050	0.150	ND	ND
Cannabidiolic acid (CBDA)	0.040	0.110	ND	ND
Cannabidiol (CBD)	0.060	0.190	ND	ND
Cannabigerolic acid (CBGA)	0.040	0.120	ND	ND
Cannabigerol (CBG)	0.080	0.230	ND	ND
Cannabinolic acid (CBNA)	0.080	0.250	ND	ND
Cannabinol (CBN)	0.040	0.120	ND	ND
Cannabichromenic acid (CBCa)	0.350	1.060	ND	ND
Cannabichromene (CBC)	0.090	0.280	ND	ND
Cannabicyclol (CBL)	0.210	0.640	ND	ND
D9-Tetrahydrocannabinolic acid (THCa)	0.130	0.400	ND	ND
D9-Tetrahydrocannabinol (D9-THC)	0.120	0.360	ND	ND
Tetrahydrocannabivarinic acid (THCVa)	0.050	0.160	ND	ND
Tetrahydrocannabivarin (THCV)	0.080	0.240	ND	ND
D8-Tetrahydrocannabinol (D8-THC)	0.140	0.430	ND	ND
Hexahydrocannabinol-9R (HHC-9R)	0.320	0.960	46.7257	467.26
Hexahydrocannabinol-9S (HHC-9S)	0.330	1.000	53.9566	539.57
Total THC (THCa * 0.877 + THC)			ND	ND
Total CBD (CBDA * 0.877 + CBD)			ND	ND
Total CBG (CBGa * 0.877 + CBG)			ND	ND
Total Cannabinoids			100.68	1006.82

Exo THC, D10 THC, HHC and THCO acetate are not A2LA accredited

Sample Photography



NR Not Reportable
 ND Not Detected
 N/A Not Applicable
 NT Not Tested
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



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 Laboratory Director
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HME - Heavy Metals Detection Analysis

Analyzed 01 Sep, 2022 | Instrument ICP-MS | Method TM-105

Analyte	LOD (ppb)	LOQ (ppb)	Result ug/g	Flag	Limit ug/g
Arsenic (As)	0.005	0.015	0		
Cadmium (Cd)	0.005	0.016	0		
Mercury (Hg)	0.004	0.013	0		
Lead (Pb)	0.075	0.224	0		

MIB - Microbial Testing Analysis

Analyzed 06 Sep, 2022 | Instrument PCR/ Plating (not A2LA accredited) | Method TM-109

Analyte	Limit (CFU/g)	Result CFU/g	Flag
Salmonella SPP		NEG	
Total Yeast & Mold		<10	
Aspergillus fumigatus		NEG	
Aspergillus flavus		NEG	
Aspergillus niger		NEG	
Aspergillus terreus		NEG	
Shiga toxin-producing Escherichia Coli		NEG	

MTO - Mycotoxin Testing Analysis

Analyzed 01 Sep, 2022 | Instrument Subcontracted | Method Subcontracted

Analyte	LOD (ppb)	LOQ (ppb)	Result ug/kg (ppb)	Flag	Limit ug/kg
Mycotoxin B1	0.000	0.010	N D		
Mycotoxin B2	0.010	0.030	N D		
Mycotoxin G1	0.010	0.020	N D		
Mycotoxin G2	0.010	0.040	N D		
Ochratoxin A	0.020	0.060	N D		
Total Mycotoxins			N D		

PES - Pesticides Screening Analysis

Analyzed 01 Sep, 2022 | Instrument Subcontracted | Method Subcontracted

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Bluebonnet Labs Certificate of Analysis

2567 Valley View Ln, Dallas, TX 75234, United States | TX Registration #: TL2020031

DEA #: RP0607436 | ISO/IEC 17025:2017 Certificate #: 6400.01



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Analytes	LOD (ppb)	LOQ (ppb)	Result ug/g	Flag	Limit ug/g
Abamectin	0.110	0.330	N D		
Acephate	0.230	0.700	N D		
Acequinocyl	0.110	0.320	N D		
Acetamiprid	0.020	0.050	N D		
Aldicarb	0.020	0.050	N D		
Azoxystrobin	0.020	0.060	N D		
Bifenazate	0.010	0.030	N D		
Bifenthrin	0.020	0.060	N D		
Boscalid	0.060	0.170	N D		
Carbaryl	0.010	0.040	N D		
Carbofuran	0.010	0.020	N D		
Chlorantraniliprole	0.010	0.030	N D		
Chlorpyrifos	0.010	0.030	N D		
Clofentezine	0.010	0.040	N D		
Coumaphos	0.040	0.120	N D		
Cyfluthrin	2.320	7.020	N D		
Cypermethrin	0.370	1.130	N D		
Daminozide	0.550	1.650	N D		
Dichlorvos	0.050	0.140	N D		
Dimethoate	0.010	0.020	N D		
Dimethomorph	0.010	0.030	N D		
Ethoprophos	0.020	0.050	N D		
Etofenprox	0.010	0.040	N D		
Etoxazole	0.010	0.020	N D		
Fenhexamid	0.040	0.140	N D		
Fenoxycarb	0.020	0.060	N D		
Fenpyroximate	0.010	0.040	N D		
Fipronil	0.010	0.040	N D		
Fludioxinil	0.020	0.050	N D		
Flonicamide	0.010	0.030	N D		
Hexythiazox	0.010	0.020	N D		
Imazalil	0.060	0.170	N D		
Imidacloprid	0.040	0.110	N D		
Kresoxim-methyl	0.020	0.050	N D		
Malathion	0.010	0.030	N D		
Metalaxyl	0.010	0.020	N D		
Methiocarb	0.010	0.030	N D		
Methomyl	0.020	0.050	N D		
Mevinphos	0.060	0.180	N D		
Myclobutanil	1.190	3.610	N D		
Naled	0.030	0.080	N D		
Oxamyl	0.020	0.050	N D		
Paclobutrazole	0.020	0.060	N D		
Permethrin	0.080	0.260	N D		
Phosmet	0.010	0.030	N D		
Piperonyl butoxide	0.010	0.040	N D		
Prallethrin	0.100	0.300	N D		

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Analytes	LOD (ppb)	LOQ (ppb)	Result ug/g	Flag	Limit ug/g
Propiconazole	0.070	0.220	N D		
Propoxur	0.010	0.030	N D		
Pyrethrin-I	0.020	0.060	N D		
Pyridaben	0.010	0.020	N D		
Spinetoram	0.230	0.690	N D		
Spinosyn A	0.010	0.020	N D		
Spinosyn D	0.000	0.010	N D		
Spiromesifen	0.050	0.140	N D		
Spirotetramat	0.010	0.030	N D		
Spiroxamine	0.010	0.030	N D		
Tebuconazole	0.010	0.030	N D		
Thiachloprid	0.010	0.030	N D		
Thiamethoxam	0.010	0.040	N D		
Methyl parathion	0.050	0.140	N D		
Diazinon	0.010	0.040	N D		
Trifloxystrobin	0.010	0.030	N D		
Chlordane	0.740	2.250	N D		
Chlorfenapyr	0.830	2.530	N D		
Pentachloronitrobenzene	0.060	0.170	N D		

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RES – Residual Solvent Analysis

Analyzed 31 Aug, 2022 | Instrument HS-GC/MS | Method TM-106
 Analysis Comment: Ethylbenzene & Isobutane are not A2LA accredited.

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Flag	Limit ug/g
Propane	0.470	1.410	N D		
Butane	0.200	0.610	N D		
Methanol	0.070	0.230	N D		
Pentane	0.130	0.410	N D		
Ethanol	0.130	0.380	N D		
Ethyl ether	0.020	0.070	N D		
Acetone	0.060	0.180	N D		
Isopropyl alcohol	0.030	0.090	N D		
Acetonitrile	0.020	0.060	N D		
Methylene chloride	0.010	0.020	N D		
Hexane	0.030	0.080	N D		
Ethyl acetate	0.030	0.080	N D		
Chloroform	0.010	0.030	N D		
Benzene	0.010	0.030	N D		
1,2-Dichloroethane	0.010	0.030	N D		
Heptane	0.020	0.060	N D		
Trichloroethene	0.010	0.030	N D		
Toluene	0.010	0.020	N D		
Isobutane	3.900	11.820	N D		
Ethyl benzene	1.700	5.160	N D		
m,p-Xylenes	0.010	0.030	N D		
o-Xylene	0.010	0.020	N D		

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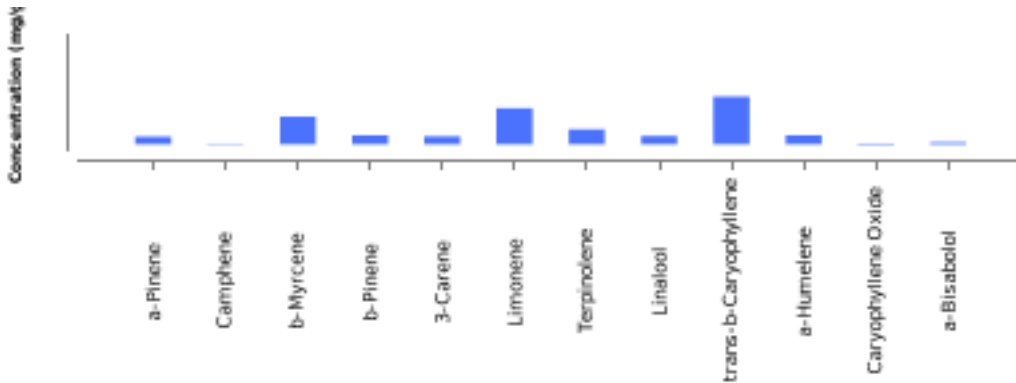
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TER- Terpenes Analysis

Analyzed 01 Sep, 2022 | Instrument HS-GC/MS | Method TM-102

Analyte	LOD (ppm)	LOQ (ppm)	Result %	Result mg/g
a-Pinene	0.840	2.540	0.07	0.66
Camphene	0.940	2.850	0.01	0.06
b-Myrcene	1.080	3.260	0.24	2.39
b-Pinene	1.110	3.380	0.08	0.76
3-Carene	0.460	1.400	0.07	0.68
a-Terpinene	1.180	3.570	N D	N D
a-ocimene	0.240	0.710	N D	N D
Limonene	0.730	2.210	0.31	3.11
p-cymene	0.680	2.070	N D	N D
cis-b-Ocimene	0.680	2.050	N D	N D
Eucalyptol	1.500	4.530	N D	N D
y-Terpinene	0.570	1.720	N D	N D
Terpinolene	0.970	2.950	0.13	1.28
Linalool	1.830	5.550	0.07	0.7
Isopulegol	1.650	4.990	N D	N D
Geraniol	0.780	2.370	N D	N D
trans-b-Caryophyllene	0.910	2.760	0.41	4.11
a-Humulene	0.960	2.920	0.08	0.77
cis-Nerolidol	0.510	1.540	N D	N D
trans-Nerolidol	1.110	3.360	N D	N D
Guaiol	2.800	8.490	N D	N D
Caryophyllene Oxide	0.970	2.950	0.01	0.09
a-Bisabolol	2.500	7.560	0.02	0.17
Total Terpene Concentration			1.48	14.78



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