

Certificate of Analysis

Mar 08, 2022 | Shaman Botanical Inc

2405 Southwest Blvd. Kansas City, MO 64108, MO, 64108



Kaycha Labs

HHC Vape-Gold Punch

Matrix: Derivative



Sample: KN20228019-007 Harvest/Lot ID: ZM.GP.DC.02

> Batch#: ZM.GP.DC.02 Seed to Sale# N/A

Batch Date: N/A Sample Size Received: 10 gram

Total Weight/Volume: N/A Retail Product Size: 1 ml

> ordered: 02/16/22 sampled: 02/16/22

Completed: 03/08/22 Expires: 03/08/23 Sampling Method: SOP Client Method

PASSED

Page 1 of 5

SAFETY RESULTS



PRODUCT IMAGE



Pesticides



PASSED



PASSED





Residuals

Solvents

PASSED



PASSED









MISC.

TESTED

CANNABINOID RESULTS



92.716%



Total d8-THC 0.211%



Total Cannabinoids 93.114%

																				I	m	
	TOTAL THC	TOTAL CBD	TOTAL CBG	CBDV	CBDA	CBGA	CBG	CBD	тнсч	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	СВС	THCA	D8-THCO	D9-THCO	тнс-о	95-ННС	9R-HHC	TOTAL HHC
%	ND	ND	ND	ND	ND	ND	ND	< 0.01	< 0.01	0.138	0.049	ND	0.211	ND	ND	ND	ND	ND	ND	52.794	39.922	92.716
mg/g	ND	ND	ND	ND	ND	ND	ND	< 0.1	<0.1	1.38	0.49	ND	2.11	ND	ND	ND	ND	ND	ND	527.94	399.22	927.16
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.01	0.01	0.01

	ilth		PASSED
Analyzed By	Weight	Extraction date	Extracted By
1	0.3346q	03/01/22	1692
Analyte	LOI	D Pass/Fail	Result
Filth and Foreign I	Material 0.3	Pass	ND
Analysis Method	-SOP.T.40.01	3 Batch Date : 03/01	1/22 10:33:46
Analytical Batch	-KN002029FII	L Reviewed On - 03/	01/22 11:26:38
Instrument Used	: E-AMS-138	Microscope	
Running On:			

Cannabinoid	Drofile	Toct
Callilabillolu	rionie	rest

Analyzed by	Weight	Extraction date :		Extracted By :
113	0.2158g	03/02/22 09:03:35		113
		9.5%, TOTAL THC 11. 1%. These uncertainties represent an expanded uncertainty	Reviewed On - 03/02/22	
expressed at approximately the 95%	confidence level using a coverage factor k=2 for a normal	al distribution.	12:56:12	Batch Date: 03/01/22 12:09:14
Applicational Bodob, VM003031BOT Instanto	mant Hand - UDI C E CHI COS - Bunning On -			

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Sue Ferguson

State License # n/a ISO Accreditation # 17025:2017



03/08/22

Signature



Kaycha Labs

HHC Vape-Gold Punch





PASSED

Certificate of Analysis

2405 Southwest Blvd, Kansas City, MO 64108, MO, 64108 Telephone: 855-427-7386

Email: Corporate@CBDamericanshaman.com

Harvest/Lot ID: ZM.GP.DC.02

Batch#: ZM.GP.DC.02 Sampled: 02/16/22 Odered: 02/16/22

Sample Size Received: 10 gram Total Weight/Volume: N/A

Completed: 03/08/22 Expires: 03/08/23 Sample Method: SOP Client Method

Page 2 of 5



Terpenes

TESTED

erpenes RANS-CARYOPHYLLENE	LOD(%) mg. 0.007 9.57	g % 0.957	Result (%)	Terpenes	HYMOI	LOD(9 0.007	6) mg/g ND	% Re	esult (%)
GUAIOL	0.007 ND	ND		EUCALYPTOL	HIMOL	0.007	ND	ND	
IMONENE	0.007 ND			ISOBORNEOL		0.007	ND	ND	
INALOOL	0.007 5.86			FARNESENE		0.007	ND	ND	
EROL	0.007 ND	ND		FENCHONE		0.007	ND	ND	
CIMENE	0.007 ND	ND		GAMMA-TERPI	INFAIR	0.007	ND	ND	
LPHA-PHELLANDRENE	0.007 ND	ND		GERANIOL	INENE	0.007	ND	ND	
ULEGONE	0.007 ND	ND		GERANIOL		0.007	IVD	ND .	
ABINENE	0.007 ND	ND				11	τn		
ABINENE HYDRATE	0.007 ND	ND		8					X
	0.007 0.22	0.022			Terpenes				TESTED
ERPINEOL	0.007 ND	ND		8					
ERPINOLENE	0.007 ND	ND		Analyzed by	Weight	Extraction			Extracted By
ERANYL ACETATE	0.007 ND	0.101		1	1.0146g	03/04/22	03:03:16		138
ANS-NEROLIDOL	0.007 1.01	0.101		Analysis Metl	hod - SOP.T.40.090				
ALENCENE	0.007 0.31 0.007 ND	0.031 ND			tch - KN002041TER			Reviewed 0	on - 03/08/22 12:51:16
OPULEGOL	0.007 ND	0.33	_	Instrument U Running On :	sed: E-SHI-109 Terpenes				
LPHA-HUMULENE	0.007 0.83	0.083			03/03/22 09:08:19				
LPHA-PINENE	0.007 0.83 0.007 ND	0.063 ND		/		\rightarrow	\rightarrow	\rightarrow	\sim
LPHA-TERPINENE				Reagent	Dilution			Const	ums. ID
TA-MYRCENE	0.007 6.95	0.695			10				
ETA-PINENE	0.007 1.01	0.101							is Chromatography - Mass Spectrometer)
ORNEOL	0.013 ND	ND		which can scre	en 38 terpenes using Method	SOP.T.40.	090 Terpe	enoid Analysis \	Via GC-MS. Analytes ISO Pending
AMPHENE	0.007 ND	ND							
AMPHOR	0.013 ND	ND							
ARYOPHYLLENE OXIDE	0.007 0.36	0.036							
EDROL	0.007 ND	ND							
	0.007 ND	ND							
LPHA-CEDRENE	0.007 ND	ND							
LPHA-CEDRENE	0.007 ND	ND							
ILPHA-BISABOLOL ILPHA-CEDRENE IIS-NEROLIDOL -CARENE		ND							

Total (%)

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N/A

Matrix : Derivative



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Email: Corporate@CBDamericanshaman.com

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Batch#: ZM.GP.DC.02 Sampled: 02/16/22 Odered: 02/16/22 Sample Size Received: 10 gram Total Weight/Volume: N/A Completed: 03/08/22 Expires: 03/08/23

Sample Method: SOP Client Method

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PASSED



Pesticides

PASS	ED

Pesticides	LOD	Units	Action	Pass/Fail	Res
			Level		
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND
ACEQUINOCYL	0.01	1.1.	2	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND
CYPERMETHRIN	0.01	ppm	1	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND
DIAZANON	0.01	ppm	0.2	PASS	ND
DICHLORVOS	0.01	ppm	0.1	PASS	ND
DIMETHOATE	0.01	ppm	0.1	PASS	ND
DIMETHOMORPH	0.01	ppm	3	PASS	ND
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND
ETOFENPROX	0.01	ppm	0.1	PASS	ND
ETOXAZOLE	0.01	ppm	1.5	PASS	ND
FENHEXAMID	0.01	ppm	3	PASS	ND
FENOXYCARB	0.01	ppm	0.1	PASS	ND
FENPYROXIMATE	0.01	ppm	2	PASS	ND
FIPRONIL	0.01	ppm	0.1	PASS	ND
FLONICAMID	0.01	ppm	2	PASS	ND
FLUDIOXONIL	0.01	ppm	3	PASS	ND
HEXYTHIAZOX	0.01	ppm	2	PASS	ND
IMAZALIL	0.01	ppm	0.1	PASS	ND
IMIDACLOPRID	0.01	ppm	3	PASS	ND
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND
MALATHION	0.01	ppm	2	PASS	ND
METALAXYL	0.01	ppm	3	PASS	ND
METHIOCARB	0.01	ppm	0.1	PASS	ND
METHOCARD	0.01	ppm	0.1	PASS	ND
MEVINPHOS	0.01	ppm	0.1	PASS	ND
MYCLOBUTANIL	0.01		3	PASS	ND
	0.01	mag	0.5	PASS	ND
NALED		1.1.	0.5	PASS	ND
OXAMYL	0.01	ppm		PASS	
PACLOBUTRAZOL	0.01	ppm	0.1		ND
PERMETHRINS	0.01	ppm		PASS	ND
PHOSMET	0.01	ppm	0.2	PASS	ND

Pesticides	LOD	Units	Action Level	Pass/Fail	Result
PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
PRALLETHRIN	0.01	ppm	0.4	PASS	ND
PROPICONAZOLE	0.01	ppm	1	PASS	ND
PROPOXUR	0.01	ppm	0.1	PASS	ND
PYRETHRINS	0.01	ppm	1	PASS	ND
PYRIDABEN	0.01	ppm	3	PASS	ND
SPINETORAM	0.01	ppm	3	PASS	ND
SPIROMESIFEN	0.01	ppm	3	PASS	ND
SPIROTETRAMAT	0.01	ppm	3	PASS	ND
SPIROXAMINE	0.01	ppm	0.1	PASS	ND
TEBUCONAZOLE	0.01	ppm	1	PASS	ND
THIACLOPRID	0.01	ppm	0.1	PASS	ND
THIAMETHOXAM	0.01	ppm	1	PASS	ND
TOTAL SPINOSAD	0.01	ppm	3	PASS	ND
TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND

0

Pesticides

PASSED

210419634

947.251

Donwont		Dilution	Canaumahlas ID
Running On: 02/2	8/22 15:02:59		Batch Date: 02/28/22 13:40:0
Instrument Used :		ricides	
			03/01/22 11:26:38
Analytical Batch -	KNOOZOZZDES		Reviewed On -
Analysis Method -	SOP.T.30.060,	SOP.T.40.060,	
143	0.5656g	03/01/22 03:03:50	143
Analyzed by	Weight	Extraction date	Extracted By

020322.R13 110521.03 022322.R02 021722.R02 022822.R01 020922.R08

Pesticide analysis is performed using LC-MSMS which can quantify down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 61 Pesticides. (Methods: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMSMS). "Based on FL action limits."

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Sue Ferguson

Lab Director

State License # n/a ISO Accreditation # 17025:2017 Sulinguan

03/08/22

Signature



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HHC Vape-Gold Punch

N/A Matrix : Derivative



Certificate of Analysis

PASSED

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Email: Corporate@CBDamericanshaman.com

Sample: KN20228019-007 Harvest/Lot ID: ZM.GP.DC.02

Batch#: ZM.GP.DC.02 Sampled: 02/16/22 Odered: 02/16/22 Sample Size Received : 10 gram Total Weight/Volume : N/A Completed : 03/08/22 Expires: 03/08/23 Sample Method : SOP Client Method

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Residual Solvents

TESTED

Solvent	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
1.1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	>281.25
N-HEXANE	25	ppm	290	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	2170	PASS	ND



Residual Solvents

TESTED

 Analyzed by
 Weight
 Extraction date
 Extracted By

 143
 0.02394g
 03/02/22 10:03:13
 143

Analysis Method -SOP.T.40.032 Analytical Batch -KN002037SOL

Instrument Used : E-SHI-106 Residual Solvents

Running On: 03/02/22 10:30:16 Batch Date: 03/02/22 08:31:31 Reviewed On - 03/03/22 17:20:11

 Reagent
 Dilution
 Consumables ID

 081420.01
 1
 R2017.099

 021622.R27
 G201.120

 021622.R28
 G201.22

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 22 residual solvents. (Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS). Analytes ISO pending. *Based on FL action limits.

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HHC Vape-Gold Punch

N/A





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Batch#: ZM.GP.DC.02 Sampled: 02/16/22 Odered: 02/16/22 Sample Size Received: 10 gram
Total Weight/Volume: N/A
Completed: 03/08/22 Expires: 03/08/23
Sample Method: SOP Client Method

PASSED

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Microbials

PASSED



Mycotoxins

PASSED

Analyte	LOD	Result	Pass / Fail
LISTERIA MONOCYTOGENE	2000	not present in 1 gram.	PASS
ESCHERICHIA COLI SHIGELLA SPP	1726	not present in 1 gram.	PASS
SALMONELLA SPECIFIC GENE	10000	not present in 1 gram.	PASS
ASPERGILLUS FLAVUS	10000	not present in 1 gram.	PASS
ASPERGILLUS FUMIGATUS	10000	not present in 1 gram.	PASS
ASPERGILLUS NIGER	10000	not present in 1 gram.	PASS
ASPERGILLUS TERREUS	10000	not present in 1 gram.	PASS

Analysis Method -SOP.T.40.043

Analytical Batch -KN002030MIC Batch Date: 03/01/22 11:31:11

Instrument Used: Micro E-HEW-069

Running On:

Analyzed by	Weight	Extraction date	Extracted By
1	1.0172g	03/01/22 12:03:35	1692
Reagent			Dilution

030121.01 122921.02 121721.04 030421.11

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus flavus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Analyte	LOD	Units	Result	Pass / Fail	Action Level
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	

Analysis Method -SOP.T.30.060, SOP.T.40.060

Analytical Batch -KN002023MYC | Reviewed On - 03/01/22 18:12:25

Instrument Used: E-SHI-125 Mycotoxins

Running On: 02/28/22 15:03:41 | Batch Date: 02/28/22 13:40:27

Analyzed by	Weight	Extraction date	Extracted By
143	0.5656g	03/01/22 03:03:27	143

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflotoxin B1, B2, G1, G2) must be $<\!20\mu g/Kg$. Ochratoxins must be $<\!20\mu g/Kg$. Analytes ISO pending. *Based on FL action limits.



Heavy Metals

PASSED

Metal	LOD	Unit	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	1.5
CADMIUM-CD	0.02	ppm	ND	PASS	0.5
MERCURY-HG	0.02	ppm	ND	PASS	3
LEAD-PB	0.02	ppm	ND	PASS	0.5

Analyzed by Weight Extraction date Extracted By

1 NA NA

Analysis Method -SOP.T.40.050, SOP.T.30.052

Analytical Batch -KN002026HEA | Reviewed On - 03/01/22 17:18:05

Instrument Used: Metals ICP/MS

Running On: | Batch Date: 02/28/22 16:26:35

Dilution

1

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.

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