673 N. Bardstown Rd

Kaycha Labs

2.5% BS Nano
N/A
Matrix: Edible

Certificate of Analysis

Sample:MO00228011-001
Harvest/Lot ID: 022720
Seed to Sale #N/A
Batch Date :N/A
Batch#: 02122001
Sample Size Received: 1
Retail Product Size: 1
Ordered : 02/27/20
Sampled : 02/27/20
Completed: 03/03/20 Expires: 03/03/21
Sampling Method: SOP Client Method

Mar 03, 2020 | Aerosource H

101 Liberty Drive Kevil
KENTUCKY, United States 42053

PASSED

PRODUCT IMAGE **SAFETY RESULTS** **MISC.**

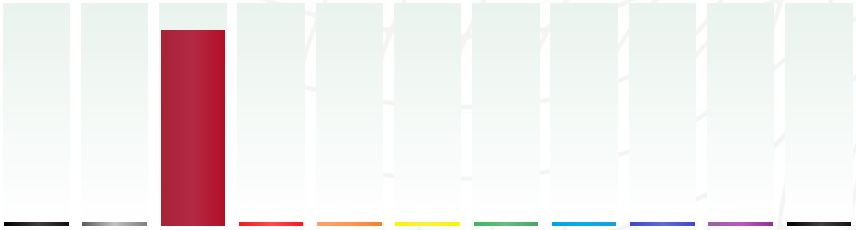
Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture	Terpenes
PASSED	PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED	TESTED

CANNABINOID RESULTS

Total THC
0.000%

Total CBD
2.568%

Total Cannabinoids
2.582%



D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
ND	ND	2.568 %	ND	ND	ND	ND	0.014 %	ND	ND	ND
		25.680 mg/g					0.140 mg/g			
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %

Filth **PASSED**

Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
9	NA	NA		NA

Analysis Method -SOP.T.40.013
Analytical Batch -NA
Instrument Used :
Batch Date :
Reviewed On - 02/28/20 13:00:05

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is use for inspection.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
19	1.4984g	NA	NA

Analysis Method -SOP.T.40.020, SOP.T.30.050
Reviewed On - 03/02/20 11:19:08
Analytical Batch -MO000288POT
Instrument Used : HPLC Potency Analyzer
Batch Date : 02/28/20 13:46:56

Reagent	Dilution	Consums. ID
103119.38	20	
022720.R01		
022620.R01		

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L). Measurement of Uncertainty: 2.7%

David Greene
Lab Director

State License # 19-05-02P
ISO Accreditation # 17025:2017

Signature

03/03/2020
Signed On

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2.5% BS Nano
N/A
Matrix : Edible

Certificate of Analysis

PASSED

Aerosource H

101 Liberty Drive Kevil
KENTUCKY, United States 42053
Telephone: (270) 462-2742
Email: tsimpson@aerosourceh.com

Sample : MO00228011-001
Harvest/LOT ID: 022720

Batch# : 02122001
Sampled : 02/27/20
Ordered : 02/27/20

Sample Size Received : 1
Completed : 03/03/20 **Expires:** 03/03/21
Sample Method : SOP Client Method

Terpenes

TESTED

Terpenes	LOD	Units	Result (%)
ALPHA-CEDRENE	0.005	%	ND
ALPHA-HUMULENE	0.005	%	0.063
ALPHA-PINENE	0.005	%	0.027
ALPHA-TERPINENE	0.005	%	ND
BETA-MYRCENE	0.005	%	0.091
BETA-PINENE	0.005	%	ND
BORNEOL	.01	%	ND
CAMPHENE	0.005	%	ND
CAMPHOR	.01	%	ND
CARYOPHYLLENE OXIDE	0.005	%	ND
CEDROL	0.005	%	ND
ALPHA-BISABOLOL	0.005	%	ND
ISOPULEGOL	.01	%	ND
CIS-NEROLIDOL	0.005	%	ND
3-CARENE	0.005	%	ND
FENCHYL ALCOHOL	0.005	%	ND
HEXAHYDROTHYMOL	0.005	%	ND
EUCALYPTOL	0.005	%	ND
ISOBORNEOL	0.005	%	ND
FENCHONE	.01	%	ND
GAMMA-TERPINENE	0.005	%	ND
GERANIOL	0.005	%	ND
GERANYL ACETATE	.01	%	ND
GUAIOL	0.005	%	ND
LIMONENE	0.005	%	0.012
LINALOOL	.01	%	0.339
NEROL	0.005	%	ND
OCIMENE	0.005	%	ND
ALPHA-PHELLANDRENE	0.005	%	ND
PULEGONE	0.005	%	ND
SABINENE	0.005	%	ND
SABINENE HYDRATE	0.01	%	ND
TERPINEOL	0.005	%	ND
TERPINOLENE	0.005	%	ND
TRANS-CARYOPHYLLENE	0.005	%	0.018
TRANS-NEROLIDOL	0.005	%	ND
VALENCENE	0.005	%	ND

Total 0.55

Terpenes

TESTED

Analyzed by	Weight	Extraction date	Extracted By
18	1.002g	NA	NA

Analysis Method - SOP.T.40.090
Analytical Batch - MO000290TER **Reviewed On -** 03/02/20 10:24:03
Instrument Used : GCMS8050
Batch Date : 02/28/20 13:47:36

Reagent	Dilution	Consums. ID

Terpenoid profile screening is performed using GC-MS/MS TQ-8040 with Liquid Injection (Gas Chromatography – Mass Spectrometer Triple Quad) which can screen 37 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC-MS/MS.

David Greene
Lab Director
State License # 19-05-02P
ISO Accreditation # 17025:2017

Signature

03/03/2020
Signed On

673 N. Bardstown Rd

Kaycha Labs

2.5% BS Nano
N/A
Matrix : Edible

Certificate of Analysis

PASSED

Aerosource H

101 Liberty Drive Kevil
KENTUCKY, United States 42053
Telephone: (270) 462-2742
Email: tsimpson@aerosourceh.com

Sample : MO00228011-001
Harvest/LOT ID: 022720

Batch# : 02122001
Sampled : 02/27/20
Ordered : 02/27/20

Sample Size Received : 1
Completed : 03/03/20 **Expires:** 03/03/21
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.020	ppm	0.5	ND
ACEPHATE	0.010	ppm	0.5	ND
ACEQUINOCYL	0.02	ppm	2	ND
ACETAMIPRID	0.010	ppm	0.2	ND
ALDICARB	0.020	ppm	0.4	ND
AZOXYSTROBIN	0.010	ppm	0.2	ND
BIFENAZATE	0.010	ppm	0.2	ND
BIFENTHRIN	0.010	ppm	0.2	ND
BOSCALID	0.005	ppm	0.4	ND
CARBARYL	0.010	ppm	0.2	ND
CARBOFURAN	0.010	ppm	0.2	ND
CHLORANTRANILIPROLE	0.010	ppm	0.2	ND
CHLORPYRIFOS	0.010	ppm	0.2	ND
CLOFENTEZINE	0.010	ppm	0.2	ND
COUMAPHOS	0.005	ppm	0.2	ND
CYPERMETHRIN	0.010	ppm	1	ND
DAMINOZIDE	0.010	ppm	1	ND
DIAZANON	0.010	ppm	0.2	ND
DICHLORVOS	0.050	ppm	0.1	ND
DIMETHOATE	0.010	ppm	0.2	ND
DIMETHOMORPH	0.005	ppm	0.1	ND
ETHOPROPHOS	0.010	ppm	0.2	ND
ETOFENPROX	0.010	ppm	0.4	ND
ETOXAZOLE	0.010	ppm	0.2	ND
FENHEXAMID	0.005	ppm	0.1	ND
FENOXYCARB	0.010	ppm	0.2	ND
FENPYROXIMATE	0.010	ppm	0.4	ND
FIPRONIL	0.020	ppm	0.4	ND
FLONICAMID	0.010	ppm	1	ND
FLUDIOXONIL	0.010	ppm	0.4	ND
HEXYTHIAZOX	0.010	ppm	1	ND
IMAZALIL	0.010	ppm	0.2	ND
IMIDACLOPRID	0.010	ppm	0.4	ND
KRESOXIM-METHYL	0.010	ppm	0.4	ND
MALATHION	0.010	ppm	0.2	ND
METALAXYL	0.010	ppm	0.2	ND
METHIOCARB	0.010	ppm	0.2	ND
METHOMYL	0.010	ppm	0.6	ND
MEVINPHOS	0.010	ppm	0.1	ND

Pesticides	LOD	Units	Action Level	Result
MYCLOBUTANIL	0.010	ppm	0.2	ND
NALED	0.010	ppm	0.5	ND
OXAMYL	0.010	ppm	1	ND
PACLOBUTRAZOL	0.010	ppm	0.4	ND
PERMETHRINS	0.050	ppm	1	ND
PHOSMET	0.010	ppm	0.2	ND
PIPERONYL BUTOXIDE	0.010	ppm	3	ND
PRALLETHRIN	0.050	ppm	0.2	ND
PROPICONAZOLE	0.010	ppm	0.4	ND
PROPOXUR	0.010	ppm	0.2	ND
PYRETHRIN I	0.010	ppm	1	ND
PYRIDABEN	0.005	ppm	0.2	ND
SPINETORAM	0.005	ppm	0.5	ND
SPINOSAD (SPINOSYN A)	0.010	ppm	0.2	ND
SPINOSAD (SPINOSYN D)	0.010	ppm	0.2	ND
SPIROMESIFEN	0.010	ppm	0.2	ND
SPIROTETRAMAT	0.020	ppm	0.2	ND
SPIROXAMINE	0.010	ppm	0.4	ND
TEBUCONAZOLE	0.010	ppm	0.4	ND
THIACLOPRID	0.010	ppm	0.2	ND
THIAMETHOXAM	0.010	ppm	0.5	ND
TRIFLOXYSTROBIN	0.010	ppm	0.2	ND

Pesticides — PASSED

Analyzed by	Weight	Extraction date	Extracted By
1	.5121g	NA	NA

Analysis Method - SOP.T.30.060, SOP.T.40.060
Analytical Batch - MO000286PES
Instrument Used : LCMSMS 8060 P
Batch Date : 02/28/20 13:02:24
Reviewed On- 02/28/20 13:00:05

Reagent	Dilution	Consums. ID
		24153381 00280227 DYSH218063

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS).

David Greene
Lab Director

State License # 19-05-02P
ISO Accreditation # 17025:2017

Signature

03/03/2020
Signed On

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Kaycha Labs
2.5% BS Nano
N/A
Matrix : Edible

Certificate of Analysis

PASSED

Aerosource H

101 Liberty Drive Kevil
KENTUCKY, United States 42053
Telephone: (270) 462-2742
Email: tsimpson@aerosourceh.com

Sample : MO00228011-001
Harvest/LOT ID: 022720

Batch# : 02122001
Sampled : 02/27/20
Ordered : 02/27/20

Sample Size Received : 1
Completed : 03/03/20 **Expires:** 03/03/21
Sample Method : SOP Client Method

Residual Solvents — PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
TRICHLOROETHENE	3	ppm	80	PASS	ND
CHLOROFORM	0.24	ppm	60	PASS	ND
1,2-DICHLOROETHENE	0.24	ppm	1870	PASS	ND
1,1-DICHLOROETHENE	2	ppm	8	PASS	ND
PENTANES	90	ppm	2500	PASS	ND
BUTANES (N-BUTANE)	50	ppm	5000	PASS	ND
ACETONITRILE	7.2	ppm	410	PASS	ND
ACETONE	90	ppm	5000	PASS	ND
2-PROPANOL	60	ppm	5000	PASS	ND
HEXANES	6	ppm	290	PASS	ND
XYLENES	18	ppm	2170	PASS	ND
TOLUENE	18	ppm	1068	PASS	ND
PROPANE	80	ppm	5000	PASS	ND
METHANOL	30	ppm	3000	PASS	ND
XYLENES-P (1,4-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
HEPTANE	60	ppm	5000	PASS	ND
XYLENES-M (1,3-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYLENE OXIDE	0.6	ppm	50	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYL ETHER	60	ppm	5000	PASS	ND
ETHYL ACETATE	48	ppm	5000	PASS	ND
DICHLOROMETHANE	15	ppm	600	PASS	ND
ETHANOL	120	ppm	5000	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
18	0.020g	NA	NA

Analysis Method - SOP.T.40.032
Analytical Batch - MO000295SOL **Reviewed On -** 03/02/20 10:39:01
Instrument Used : GCMS2010
Batch Date : 03/02/20 08:50:39

Reagent	Dilution	Consums. ID

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 33 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

David Greene
Lab Director
State License # 19-05-02P
ISO Accreditation # 17025:2017

Signature

03/03/2020
Signed On

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Kaycha Labs

2.5% BS Nano
N/A
Matrix : Edible

Certificate of Analysis

PASSED

Aerosource H

101 Liberty Drive Kevil
KENTUCKY, United States 42053
Telephone: (270) 462-2742
Email: tsimpson@aerosourceh.com

Sample : MO00228011-001
Harvest/LOT ID: 022720

Batch# : 02122001
Sampled : 02/27/20
Ordered : 02/27/20

Sample Size Received : 1
Completed : 03/03/20 **Expires:** 03/03/21
Sample Method : SOP Client Method

Mycotoxins — PASSED

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.001	ppm	ND	0.02
AFLATOXIN G1	0.001	ppm	ND	0.02
AFLATOXIN B2	0.001	ppm	ND	0.02
AFLATOXIN B1	0.001	ppm	ND	0.02
OCHRATOXIN A+	0.001	ppm	ND	0.02

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -MO000293 | Reviewed On - 03/02/20 11:03:12
Instrument Used : LCMSMS 8060 M
Batch Date : 02/28/20 15:53:46

Analyzed by	Weight	Extraction date	Extracted By
1	1g	NA	NA

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 <20µg/Kg. Ochratoxins must be <20µg/Kg.

Microbials — PASSED

Analyte	Result
ASPERGILLUS_TERREUS_1J2	not present in 1 gram.
ASPERGILLUS_NIGER	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	not present in 1 gram.
ASPERGILLUS_FLAVUS	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram.

Analysis Method -SOP.T.40.043
Analytical Batch -NA | Reviewed On - 03/03/20 10:59:27
Instrument Used :
Batch Date :

Analyzed by	Weight	Extraction date	Extracted By
NA	NA	NA	NA

Reagent	Dilution	Consums. ID

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 fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Heavy Metals — PASSED

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.001	ppm	ND	1.5
CADMIUM	0.001	ppm	ND	0.5
LEAD	0.001	ppm	ND	0.5
MERCURY	0.001	ppm	ND	3

Analyzed by	Weight	Extraction date	Extracted By
18	0.464g	NA	NA

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -MO000292HEA | Reviewed On - 03/02/20 12:05:49
Instrument Used : ICP-MS 2030
Batch Date : 02/28/20 13:49:48

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.

David Greene
Lab Director

State License # 19-05-02P
ISO Accreditation # 17025:2017

Signature

03/03/2020
Signed On