4131 SW 47th AVENUE SUITE 1408
DAVIE, FL, 33314, US

Kaycha Labs

1g Crumble Mega Runtz
Mega Runtz
Matrix: Derivative

Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample:DA30211001-004
Harvest/Lot ID: 0710 5406 9283 3225
Batch#: 1572 0268 0899 6390
Cultivation Facility: Apopka
Processing Facility : Apopka
Distributor Facility :
Source Facility : Apopka
Seed to Sale# 5080 4232 6093 4875
Batch Date: 02/08/23
Sample Size Received: 16 gram
Total Amount: 569 units
Retail Product Size: 1 gram
Ordered : 02/10/23
Sampled : 02/10/23
Completed: 02/14/23
Sampling Method: SOP.T.20.010

Feb 14, 2023 | Sanctuary Medicinals
251 East Keene Rd
Apopka, FL, 32703, US

Sanctuary Medicinals

PASSED

PRODUCT IMAGE



SAFETY RESULTS

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

MISC.

Terpenes
TESTED

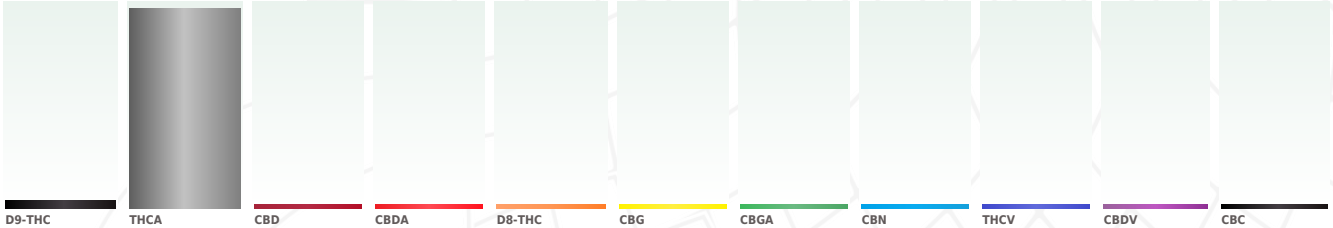
Cannabinoid

PASSED

Total THC
79.986%
Total THC/Container : 799.86 mg

Total CBD
0.224%
Total CBD/Container : 2.24 mg

Total Cannabinoids
92.386%
Total Cannabinoids/Container : 923.86 mg



	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	3.332	87.405	0.063	0.184	0.159	0.206	0.827	0.054	0.053	ND	0.103
mg/unit	33.32	874.05	0.63	1.84	1.59	2.06	8.27	0.54	0.53	ND	1.03
LOD	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %

Analyzed by:
3112, 585, 1440

Weight:
0.102g

Extraction date:
02/13/23 11:07:20

Extracted by:
3112

Analysis Method : SOP.T.40.031, SOP.T.30.031
Analytical Batch : DA056002POT
Instrument Used : DA-LC-003 (Derivatives)
Running on : 02/13/23 11:10:11

Reviewed On : 02/14/23 12:03:41
Batch Date : 02/12/23 08:22:15

Dilution : 400
Reagent : 020723.R03; 121321.34; 020723.R01
Consumables : 239146; CE0123; 210803-059; 61633-125C6-125E; R1KB14270
Pipette : DA-079; DA-108; DA-078

Full Spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection in accordance with F.S. Rule 64ER20-39.

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Jorge Segredo
Lab Director

State License # CMTL-0002
ISO 17025 Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

02/14/23
Signed On

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DAVIE, FL, 33314, US

Kaycha Labs

1g Crumble Mega Runtz
Mega Runtz
Matrix : Derivative

Certificate of Analysis

PASSED

Sanctuary Medicinals

251 East Keene Rd
Apopka, FL, 32703, US
Telephone: (800) 666-8621
Email: nsatmary@sanctuarymed.com

Sample : DA30211001-004
Harvest/Lot ID: 0710 5406 9283 3225
Batch# : 1572 0268 0899 6390
Sampled : 02/10/23
Ordered : 02/10/23
Sample Size Received : 16 gram
Total Amount : 569 units
Completed : 02/14/23 **Expires:** 02/14/24
Sample Method : SOP.T.20.010

Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)
TOTAL TERPENES	0.007	24.13	2.413	
TOTAL TERPINEOL	0.007	0.4	0.04	
ALPHA-BISABOLOL	0.007	1.39	0.139	
ALPHA-PINENE	0.007	0.76	0.076	
CAMPHENE	0.007	0.24	0.024	
SABINENE	0.007	0.81	0.081	
BETA-PINENE	0.007	0.71	0.071	
BETA-MYRCENE	0.007	2.24	0.224	
ALPHA-PHELLANDRENE	0.007	ND	ND	
3-CARENE	0.007	ND	ND	
ALPHA-TERPINENE	0.007	ND	ND	
LIMONENE	0.007	2.39	0.239	
EUCALYPTOL	0.007	ND	ND	
OCIMENE	0.007	ND	ND	
GAMMA-TERPINENE	0.007	ND	ND	
SABINENE HYDRATE	0.007	ND	ND	
TERPINOLENE	0.007	0.43	0.043	
FENCHONE	0.007	0.57	0.057	
LINALOOL	0.007	2.04	0.204	
FENCHYL ALCOHOL	0.007	1.59	0.159	
ISOPULEGOL	0.007	ND	ND	
CAMPHOR	0.007	ND	ND	
ISOBORNEOL	0.007	ND	ND	
BORNEOL	0.013	ND	ND	
HEXAHYDROTHYMOL	0.007	ND	ND	
NEROL	0.007	ND	ND	
PULEGONE	0.007	ND	ND	
GERANIOL	0.007	0.56	0.056	
GERANYL ACETATE	0.007	0.27	0.027	
ALPHA-CEDRENE	0.007	0.53	0.053	
BETA-CARYOPHYLLENE	0.007	5.05	0.505	
Total (%)			**2.413**	

Terpenes	LOD (%)	mg/unit	%	Result (%)
FARNESENE	0	1.48	0.148	
ALPHA-HUMULENE	0.007	1.77	0.177	
VALENCENE	0.007	ND	ND	
CIS-NEROLIDOL	0.007	ND	ND	
TRANS-NEROLIDOL	0.007	0.9	0.09	
CARYOPHYLLENE OXIDE	0.007	ND	ND	
GUAIOL	0.007	ND	ND	
CEDROL	0.007	ND	ND	

Analyzed by: 2076, 53, 1440
Weight: 1.1359g
Extraction date: 02/13/23 15:38:30
Extracted by: 2076

Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL
Analytical Batch : DA056044TER
Instrument Used : DA-GCMS-005
Running on : 02/13/23 15:41:59
Reviewed On : 02/14/23 16:58:37
Batch Date : 02/13/23 09:20:13

Dilution : 10
Reagent : 120722.10
Consumables : 210414634; MKCN9995; CE0123; R1KB14270
Pipette : N/A

Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.

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Jorge Segredo
Lab Director

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ISO 17025 Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

02/14/23
Signed On

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DAVIE, FL, 33314, US

Kaycha Labs

1g Crumble Mega Runtz
Mega Runtz
Matrix : Derivative

Certificate of Analysis

PASSED

Sanctuary Medicinals

251 East Keene Rd
Apopka, FL, 32703, US
Telephone: (800) 666-8621
Email: nsatmary@sanctuarymed.com

Sample : DA30211001-004
Harvest/Lot ID: 0710 5406 9283 3225
Batch# : 1572 0268 0899 6390
Sampled : 02/10/23
Ordered : 02/10/23
Sample Size Received : 16 gram
Total Amount : 569 units
Completed : 02/14/23 **Expires:** 02/14/24
Sample Method : SOP.T.20.010

Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result
TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	ppm	5	PASS	ND
TOTAL DIMETHOMORPH	0.01	ppm	0.2	PASS	ND
TOTAL PERMETHRIN	0.01	ppm	0.1	PASS	ND
TOTAL PYRETHRINS	0.01	ppm	0.5	PASS	ND
TOTAL SPINETORAM	0.01	ppm	0.2	PASS	ND
TOTAL SPINOSAD	0.01	ppm	0.1	PASS	ND
ABAMECTIN B1A	0.01	ppm	0.1	PASS	ND
ACEPHATE	0.01	ppm	0.1	PASS	ND
ACEQUINOCYL	0.01	ppm	0.1	PASS	ND
ACETAMIPRID	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	0.1	PASS	ND
BIFENAZATE	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.1	PASS	ND
BOSCALID	0.01	ppm	0.1	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND
CLOFENTEZINE	0.01	ppm	0.2	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND
DIAZINON	0.01	ppm	0.1	PASS	ND
DICHLORVOS	0.01	ppm	0.1	PASS	ND
DIMETHOATE	0.01	ppm	0.1	PASS	ND
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND
ETOFENPROX	0.01	ppm	0.1	PASS	ND
ETOXAZOLE	0.01	ppm	0.1	PASS	ND
FENHEXAMID	0.01	ppm	0.1	PASS	ND
FENOXYCARB	0.01	ppm	0.1	PASS	ND
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND
FIPRONIL	0.01	ppm	0.1	PASS	ND
FLONICAMID	0.01	ppm	0.1	PASS	ND
FLUDIOXONIL	0.01	ppm	0.1	PASS	ND
HEXYTHIAZOX	0.01	ppm	0.1	PASS	ND
IMAZALIL	0.01	ppm	0.1	PASS	ND
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND
KRESOXIM-METHYL	0.01	ppm	0.1	PASS	ND
MALATHION	0.01	ppm	0.2	PASS	ND
METALAXYL	0.01	ppm	0.1	PASS	ND
METHIOCARB	0.01	ppm	0.1	PASS	ND
METHOMYL	0.01	ppm	0.1	PASS	ND
MEVINPHOS	0.01	ppm	0.1	PASS	ND
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND
NALED	0.01	ppm	0.25	PASS	ND

Pesticide	LOD	Units	Action Level	Pass/Fail	Result
OXAMYL	0.01	ppm	0.5	PASS	ND
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND
PHOSMET	0.01	ppm	0.1	PASS	ND
PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
PRALLETHRIN	0.01	ppm	0.1	PASS	ND
PROPICONAZOLE	0.01	ppm	0.1	PASS	ND
PROPOXUR	0.01	ppm	0.1	PASS	ND
PYRIDABEN	0.01	ppm	0.2	PASS	ND
SPIROMESIFEN	0.01	ppm	0.1	PASS	ND
SPIROTETRAMAT	0.01	ppm	0.1	PASS	ND
SPIROXAMINE	0.01	ppm	0.1	PASS	ND
TEBUCONAZOLE	0.01	ppm	0.1	PASS	ND
THIACLOPRID	0.01	ppm	0.1	PASS	ND
THIAMETHOXAM	0.01	ppm	0.5	PASS	ND
TRIFLOXYSTROBIN	0.01	ppm	0.1	PASS	ND
PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.15	PASS	ND
PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
CAPTAN *	0.07	PPM	0.7	PASS	ND
CHLORDANE *	0.01	PPM	0.1	PASS	ND
CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
CYFLUTHRIN *	0.05	PPM	0.5	PASS	ND
CYPERMETHRIN *	0.05	PPM	0.5	PASS	ND

Analyzed by: 585, 3379, 1440 | **Weight:** 0.2835g | **Extraction date:** 02/13/23 13:51:04 | **Extracted by:** 585

Analysis Method : SOP.T.30.101.FL (Gainesville), SOP.T.30.102.FL (Davie), SOP.T.40.101.FL (Gainesville), SOP.T.40.102.FL (Davie)
Analytical Batch : DA056029PES
Instrument Used : DA-LCMS-003 (PES)
Running on : 02/13/23 13:32:55
Reviewed On : 02/14/23 11:52:52
Batch Date : 02/13/23 09:06:44

Dilution : 250
Reagent : 020623.R01; 020723.R08; 020923.R01; 020923.R02; 012423.R21; 020823.R01; 040521.11
Consumables : 6697075-02
Pipette : DA-093; DA-094; DA-219

Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.

Analyzed by: 450, 585, 1440 | **Weight:** 0.2835g | **Extraction date:** 02/13/23 13:51:04 | **Extracted by:** 585

Analysis Method : SOP.T.30.151.FL (Gainesville), SOP.T.30.151A.FL (Davie), SOP.T.40.151.FL
Analytical Batch : DA056031VOL
Instrument Used : DA-GCMS-001
Running on : N/A
Reviewed On : 02/14/23 11:51:30
Batch Date : 02/13/23 09:07:50

Dilution : 250
Reagent : 020923.R01; 040521.11; 021023.R34; 021023.R35
Consumables : 6697075-02; 14725401
Pipette : DA-080; DA-146; DA-218

Testing for agricultural agents is performed utilizing Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.

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Mega Runtz
Matrix : Derivative

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Batch# : 1572 0268 0899 6390
Sampled : 02/10/23
Ordered : 02/10/23

Sample Size Received : 16 gram
Total Amount : 569 units
Completed : 02/14/23 **Expires:** 02/14/24
Sample Method : SOP.T.20.010

Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Analyzed by:
850, 585, 1440

Weight:
0.0237g

Extraction date:
02/14/23 11:32:22

Extracted by:
850

Analysis Method : SOP.T.40.041.FL
Analytical Batch : DA056052SOL
Instrument Used : DA-GCMS-003
Running on : 02/14/23 11:47:01

Reviewed On : 02/14/23 12:43:11
Batch Date : 02/13/23 10:13:59

Dilution : 1
Reagent : 030420.09
Consumables : 27296; KF140
Pipette : DA-309 25uL Syringe 35028

Residual solvents analysis is performed utilizing Gas Chromatography Mass Spectrometry in accordance with with F.S. Rule 64ER20-39.

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Lab Director

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Mega Runtz
Matrix : Derivative

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Sample : DA30211001-004
Harvest/Lot ID: 0710 5406 9283 3225
Batch# : 1572 0268 0899 6390
Sampled : 02/10/23
Ordered : 02/10/23

Sample Size Received : 16 gram
Total Amount : 569 units
Completed : 02/14/23 **Expires:** 02/14/24
Sample Method : SOP.T.20.010

Microbial — PASSED

Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS	
SALMONELLA SPECIFIC GENE			Not Present	PASS	
ASPERGILLUS FLAVUS			Not Present	PASS	
ASPERGILLUS FUMIGATUS			Not Present	PASS	
ASPERGILLUS TERREUS			Not Present	PASS	
ASPERGILLUS NIGER			Not Present	PASS	
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000

Analyzed by: 3336, 3621, 585, 1440 **Weight:** 1.0075g **Extraction date:** 02/11/23 15:58:15 **Extracted by:** 3621

Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL
Analytical Batch : DA055982MIC **Reviewed On :** 02/14/23 11:56:41
Instrument Used : DA-265 Gene-UP RTPCR **Batch Date :** 02/11/23 09:26:20
Running on : 02/11/23 16:27:37

Dilution : N/A
Reagent : 012423.R27; 020823.R57
Consumables : 2112100
Pipette : N/A

Analyzed by: 3621, 3390, 53, 1440 **Weight:** 0.8758g **Extraction date:** 02/11/23 16:00:57 **Extracted by:** 3621,3702

Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL
Analytical Batch : DA055994TYM **Reviewed On :** 02/14/23 07:25:58
Instrument Used : Incubator (25-27C) DA-097 **Batch Date :** 02/11/23 15:58:24
Running on : 02/11/23 16:57:57

Dilution : 10
Reagent : 110822.20; 013123.R21
Consumables : N/A
Pipette : N/A

Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.

Mycotoxins — PASSED

Analyte	LOD	Units	Result	Pass / Fail	Action Level
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
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02

Analyzed by: 585, 3379, 1440 **Weight:** 0.2835g **Extraction date:** 02/13/23 13:51:04 **Extracted by:** 585

Analysis Method : SOP.T.30.101.FL (Gainesville), SOP.T.40.101.FL (Gainesville), SOP.T.30.102.FL (Davie), SOP.T.40.102.FL (Davie)
Analytical Batch : DA056030MYC **Reviewed On :** 02/14/23 11:52:04
Instrument Used : DA-LCMS-003 (MYC) **Batch Date :** 02/13/23 09:07:47
Running on : 02/13/23 13:33:06

Dilution : 250
Reagent : 020623.R01; 020723.R08; 020923.R01; 020923.R02; 012423.R21; 020823.R01; 040521.11
Consumables : 6697075-02
Pipette : DA-093; DA-094; DA-219

Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.

Heavy Metals — PASSED

Metal	LOD	Units	Result	Pass / Fail	Action Level
TOTAL CONTAMINANT LOAD METALS	0.11	ppm	ND	PASS	1.1
ARSENIC	0.02	ppm	ND	PASS	0.2
CADMIUM	0.02	ppm	ND	PASS	0.2
MERCURY	0.02	ppm	ND	PASS	0.2
LEAD	0.05	ppm	ND	PASS	0.5

Analyzed by: 1022, 53, 1440, 585 **Weight:** 0.5765g **Extraction date:** 02/13/23 10:56:16 **Extracted by:** 1022,3619

Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL
Analytical Batch : DA056009HEA **Reviewed On :** 02/14/23 12:07:47
Instrument Used : DA-ICPMS-003 **Batch Date :** 02/12/23 10:54:34
Running on : 02/13/23 16:21:19

Dilution : 50
Reagent : 012523.R01; 123022.R14; 021023.R29; 020723.R33; 021023.R27; 021023.R28; 012323.R43; 020723.R34; 100622.35
Consumables : 179436; 210508058; 210803-059
Pipette : DA-061; DA-216

Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39.

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Jorge Segredo
Lab Director

State License # CMTL-0002
ISO 17025 Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

02/14/23
Signed On

4131 SW 47th AVENUE SUITE 1408
DAVIE, FL, 33314, US

Kaycha Labs

1g Crumble Mega Runtz
Mega Runtz
Matrix : Derivative

Certificate of Analysis

PASSED

Sanctuary Medicinals

251 East Keene Rd
Apopka, FL, 32703, US
Telephone: (800) 666-8621
Email: nsatmary@sanctuarymed.com

Sample : DA30211001-004
Harvest/Lot ID: 0710 5406 9283 3225
Batch# : 1572 0268 0899 6390
Sampled : 02/10/23
Ordered : 02/10/23
Sample Size Received : 16 gram
Total Amount : 569 units
Completed : 02/14/23 **Expires:** 02/14/24
Sample Method : SOP.T.20.010

Filth/Foreign Material — PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	0.5	%	ND	PASS	1

Analyzed by:	Weight:	Extraction date:	Extracted by:
1879, 1440	NA	N/A	N/A

Analysis Method : SOP.T.40.090
Analytical Batch : DA056018FIL
Instrument Used : Filth/Foreign Material Microscope
Running on : 02/12/23 22:24:08
Reviewed On : 02/12/23 22:37:44
Batch Date : 02/12/23 22:23:02

Dilution : N/A
Reagent : N/A
Consumables : N/A
Pipette : N/A

Filth and foreign material inspection is performed by visual inspection utilizing naked eye and microscope technologies in accordance with F.S. Rule 64ER20-39.

Water Activity — PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Water Activity	0.1	aw	0.387	PASS	0.85

Analyzed by:	Weight:	Extraction date:	Extracted by:
2926, 585, 1440	0.651g	02/14/23 08:18:33	2926

Analysis Method : SOP.T.40.019
Analytical Batch : DA055942WAT
Instrument Used : DA-028 Rotronic Hygropalm
Running on : 02/10/23 10:07:05
Reviewed On : 02/14/23 12:03:42
Batch Date : 02/10/23 09:42:17

Dilution : N/A
Reagent : 100522.07
Consumables : PS-14
Pipette : N/A

Water Activity is performed using a Rotronic HygroPalm HP 23-AW in accordance with F.S. Rule 64ER20-39.

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