kaycha LABS

Kaycha Labs

RESTORE 1200MG-THC FREE
N/A
Matrix : Derivative

Certificate of Analysis

SAMPLE:GA91104003-004
Harvest/Lot ID: RF1001529
Seed to Sale #N/A
Batch#: RF1001529
Sample Size: 30 ml
Ordered : 11/04/19
Sampled : 11/04/19
Completed: 11/08/19 Expires: 11/08/20
Sampling Method: SOP Client Method

PASSED

Nov 08, 2019 | Sana Botanicals

6165 Clarksville Pike Joelton
Tennessee, United States 37080

SANA BOTANICALS

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%
THC/Container :0.00 mg

Total CBD
4.038%
CBD/Container :1211.70 mg

D9-THC	THCA	CBD	CBDA	CBN	CBDV	D8-THC	THCV	CBG	CBGA	CBC
ND	ND	4.038 %	ND	ND	ND	ND	ND	ND	ND	ND
ND	ND	40.380 mg/g	ND	ND	ND	ND	ND	ND	ND	ND

Cannabinoid Profile Test

Analyst	Weight	Sample Prep :	Extracted By :
508	2.9666g	2019-11-04 03:11:45	972

Analysis Method -SOP.T.40.020, SOP.T.30.050
Analytical Batch -GA007686

Reagent	Dilution	Consums. ID
110419.R03	400	280650306
103119.R08		924CD-924C
110419.R04		00267301 / 00268913 / 00273299
		NA
		18/07/25

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).

Filth — PASSED

Analyte	Weight	Sample Prep :	Extracted By :
972	NA	2019-11-05 08:11:07	972

Analysis Method -

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.

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Jeremy Campbell
Lab Director

State License # n/a
ISO Accreditation # 17025

Signature

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6165 Clarksville Pike Joelton
Tennessee, United States 37080
Telephone: (704) 707-6501
Email: sam@sanabotanicals.com

Sample : GA91104003-004,
Harvest/LOT ID: RF1001529,

Batch# : RF1001529
Sample Size : 30 ml
Ordered : 11/04/19

Sampled : 11/04/19
Completed : 11/08/19 **Expires :** 11/08/20
Sample Method : SOP Client Method

2

Terpenes — TESTED

Terpenes		TEST RESULT (%)
ALPHA-CEDRENE	ND	
ALPHA-HUMULENE	ND	
ALPHA-PINENE	ND	
ALPHA-TERPINENE	ND	
BETA-MYRCENE	0.799	
BETA-PINENE	ND	
BORNEOL	ND	
CAMPHENE	ND	
CAMPHOR	ND	
CARYOPHYLLENE OXIDE	ND	
CEDROL	ND	
ALPHA-BISABOLOL	ND	
ISOPULEGOL	ND	
CIS-NEROLIDOL	ND	
3-CARENE	ND	
FENCHYL ALCOHOL	ND	
HEXAHYDROTHYMOL	ND	
EUCALYPTOL	ND	
ISOBORNEOL	ND	
FARNESENE	ND	
FENCHONE	ND	
GAMMA-TERPINENE	ND	
GERANIOL	ND	
GERANYL ACETATE	ND	
GUAIOL	ND	
LIMONENE	0.557	
LINALOOL	0.026	
NEROL	ND	
OCIMENE	ND	
ALPHA-PHELLANDRENE	ND	
PULEGONE	ND	
SABINENE	ND	
SABINENE HYDRATE	ND	

Terpenes		TEST RESULT (%)
TERPINEOL	ND	
TERPINOLENE	ND	
TRANS-CARYOPHYLLENE	ND	
TRANS-NEROLIDOL	ND	
VALENCENE	ND	

Terpenes — TESTED

Analyst	Weight	Sample Prep :	Extracted By :
508	1.0126g	2019-11-05 09:11:33	972

Analysis Method -SOP.T.40.090
Analytical Batch -GA007701

Reagent	Dilution	Consums. ID
110419.R06	10	280630187 00267301 / 00268913 / 00273299 NA P7344091 / P7312914

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography – Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC/MS.

Total 1.384

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Jeremy Campbell
Lab Director

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6165 Clarksville Pike Joelton
Tennessee, United States 37080
Telephone: (704) 707-6501
Email: sam@sanabotanicals.com

Sample : GA91104003-004,
Harvest/LOT ID: RF1001529,

Batch# : RF1001529
Sample Size : 30 ml
Ordered : 11/04/19

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Sample Method : SOP Client Method

3

Pesticides

PASSED

Pesticides	LOQ	Action Level	Units	Result
BOSCALID	0.010	3000	PPM	ND
DIMETHOATE	0.010	0.1	ppm	ND
ABAMECTIN B1A	0.020	0.3	ppm	ND
ACEPHATE	0.010	3	ppm	ND
DIMETHOMORPH	0.005	3	ppm	ND
ETHOPROPHOS	0.010	0.1	ppm	ND
ACETAMIPRID	0.010	3	ppm	ND
ETOFENPROX	0.010	0.1	ppm	ND
ALDICARB	0.020	0.1	ppm	ND
ETOXAZOLE	0.010	1.5	ppm	ND
AZOXYSTROBIN	0.010	3	ppm	ND
FENHEXAMID	0.010	3	ppm	ND
BIFENAZATE	0.010	3	ppm	ND
FENOXYCARB	0.010	0.1	ppm	ND
FENPYROXIMATE	0.010	2	ppm	ND
BIFENTHRIN	0.010	0.5	ppm	ND
CARBARYL	0.010	0.5	ppm	ND
FIPRONIL	0.020	0.1	ppm	ND
FLONICAMID	0.010	2	ppm	ND
CARBOFURAN	0.010	0.1	ppm	ND
CHLORANTRANILIPROLE	0.010	3	ppm	0.067
FLUDIOXONIL	0.010	3	ppm	ND
HEXYTHIAZOX	0.010	2	ppm	ND
IMAZALIL	0.010	0.1	ppm	ND
CHLORPYRIFOS	0.010	0.1	ppm	ND
IMIDACLOPRID	0.010	3	ppm	ND
CLOFENTEZINE	0.010	0.5	ppm	ND
KRESOXIM-METHYL	0.010	1	ppm	ND
COUMAPHOS	0.005	0.1	ppm	ND
MALATHION	0.010	2	ppm	ND
CYPERMETHRIN	0.020	1	ppm	ND
DAMINOZIDE	0.020	0.1	ppm	ND
METALAXYL	0.010	3	ppm	ND
DICHLORVOS	0.050	0.1	ppm	ND
METHIOCARB	0.010	0.1	ppm	ND
METHOMYL	0.010	0.1	ppm	ND
DIAZANON	0.010	0.2	ppm	ND
MEVINPHOS	0.010	0.1	ppm	ND
MYCLOBUTANIL	0.010	3	ppm	ND

Pesticides	LOQ	Action Level	Units	Result
NALED	0.010	0.5	ppm	ND
OXAMYL	0.010	0.5	ppm	ND
PACLOBUTRAZOL	0.010	0.1	ppm	ND
TRANS-PERMETHRIN	0.050	1	ppm	ND
PHOSMET	0.010	0.2	ppm	ND
PIPERONYL BUTOXIDE	0.010	3	ppm	ND
PRALLETHRIN	0.050	0.4	ppm	ND
PROPICONAZOLE	0.010	1	ppm	ND
PROPOXUR	0.010	0.1	ppm	ND
PYRETHRIN I	0.010	1	ppm	ND
PYRIDABEN	0.010	3	ppm	ND
SPINOSAD (SPINOSYN A)	0.010	3	ppm	ND
SPINOSAD (SPINOSYN D)	0.010	3	ppm	ND
SPIROMESIFEN	0.010	3	ppm	ND
SPIROTETRAMAT	0.020	3	ppm	ND
SPIROXAMINE	0.010	0.1	ppm	ND
TEBUCONAZOLE	0.010	1	ppm	ND
THIACLOPRID	0.010	0.1	ppm	ND
THIAMETHOXAM	0.010	1	ppm	ND
TRIFLOXYSTROBIN	0.010	3	ppm	ND

Pesticides — PASSED

Analyst 635
Weight 0.9993g
Sample Prep : 2019-11-04 03:11:15
Extracted By : 635

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch - GA007665

Reagent	Dilution	Consums. ID
110119.R05 100119.R03 110419.R04	10	280650306 VAV-09-1020 / ALK-09-1412 NA P7344091 / P7312914

SOP.T.30.065, SOP.T.40.065

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4

Residual Solvents — PASSED

SOLVENT	ACTION LEVEL (PPM)	PASS/FAIL	RESULT
PROPANE	2100	PASS	ND
BUTANES (N-BUTANE)	2000	PASS	ND
ETHYLENE OXIDE	5	PASS	ND
METHANOL	250	PASS	ND
ETHANOL	5000	PASS	ND
PENTANES (N-PENTANE)	750	PASS	ND
ETHYL ETHER	500	PASS	ND
ACETONE	750	PASS	ND
2-PROPANOL	500	PASS	ND
ACETONITRILE	60	PASS	ND
METHYLENE CHLORIDE	125	PASS	ND
N-HEXANE	250	PASS	ND
ETHYL ACETATE	400	PASS	ND
BENZENE	1	PASS	ND
HEPTANE	500	PASS	ND
TOLUENE	150	PASS	ND
CHLOROFORM	2	PASS	ND
1,2-DICHLOROETHANE	2	PASS	ND
TRICHLOROETHYLENE	25	PASS	ND
1,1-DICHLOROETHENE	8	PASS	ND
TOTAL XYLENES	150	PASS	ND

Residual Solvents — PASSED

Analyst	Weight	Sample Prep :	Extracted By :
508	0.0274g	2019-11-04 03:11:15	508

Analysis Method -SOP.T.40.032
Analytical Batch -GA007680

Reagent	Dilution	Consums. ID

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 34 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

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Sample Method : SOP Client Method

5

Mycotoxins — PASSED

Analyte	Result	Action Level
AFLATOXIN G2	ND	
AFLATOXIN G1	ND	
AFLATOXIN B2	ND	
AFLATOXIN B1	ND	
OCHRATOXIN A+	ND	0.02
TOTAL AFLATOXINS	0.000	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -GA007666

Microbials — PASSED

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

Heavy Metals — PASSED

Reagent	Dilution	Consums. ID
082819.R07	50	
101719.R04		
103019.R02		
032619.14		

Metal	Result	Action Level
ARSENIC	ND	1.5
CADMIUM	ND	0.5
LEAD	0.023	0.5
MERCURY	ND	3

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -GA007699

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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