

232 North Plaza Drive Nicholasville, KY 40356 +1-833-KCA-LABS https://kcalabs.com KDA Lic.# P_0058

Certificate of Analysis

1 of 8

102021SAT9G

Sample ID: SA-09242021-4356 Batch: 102021SAT9G Type: Finished Products Matrix: Edible - Gummy

Received: 09/29/2021 Completed: 10/11/2021 Client SunFlora Inc. 600 8th Ave W, STE 400 Palmetto, FL 34221 USA





Summary

Date Tested Test 10/06/2021 Cannabinoids Heavy Metals 10/11/2021 10/07/2021 Microbials Mycotoxins 10/06/2021 Pesticides 10/04/2021 Residual Solvents 10/11/2021 Terpenes 10/06/2021

Status
Tested
Pass
Pass
Pass
Pass
Pass
Tested

Cannabinoids by HPLC-PDA and GC-MS/MS

0.0994 %	0.592 %	1.09 %	Not Tested	Not Tested	Yes
Total Δ9-THC	CBD	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Marker Recovered

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/unit)	mAU	SA-09242021-4356
CBC	0.00009	0.00028	0.050	2.21		- A GR
CBCA	0.00018	0.00054	ND	ND	1250-	50- 8
CBCV	0.00006	0.00018	ND	ND		
CBD	0.00008	0.00024	0.592	26.1	1000	00-
CBDA	0.00004	0.00013	ND	ND		
CBDV	0.00006	0.00018	0.0165	0.731		
CBDVA	0.00002	0.00006	ND	ND	750	0 - -
CBG	0.00006	0.00017	0.297	13.1		
CBGA	0.00005	0.00015	ND	ND	500	00-
CBL	0.00011	0.00033	0.0127	0.561		- U
CBLA	0.00012	0.00037	ND	ND	250	
CBN	0.00006	0.00017	0.00949	0.419		Network 1
CBNA	0.00006	0.00018	ND	ND		
Δ8-THC	0.0001	0.00031	0.00928	0.410	0	
Δ9-THC	0.00008	0.00023	0.0994	4.39		2.5 5.0 7.5 10.0 min
Δ9-THCA	0.00008	0.00025	ND	ND	(x10,000,000)	Max intensity 10.
Δ9-THCV	0.00007	0.00021	ND	ND		T T
Δ9-THCVA	0.00006	0.00019	ND	ND		and a second a second and a second a second and a second a second and a second and a second and a second and
Total Δ9-THC			0.0994	4.39		Fernal The Table 1
Total CBD			0.592	26.1	1	
Total			1.09	48.0	3.0 3.5	40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ 9-THC = Δ 9-THC + Δ 9-THC; Total CBD = CBDA * 0.877 + Δ 9-THC; Total CBD = CBDA * 0.877 + CBD;







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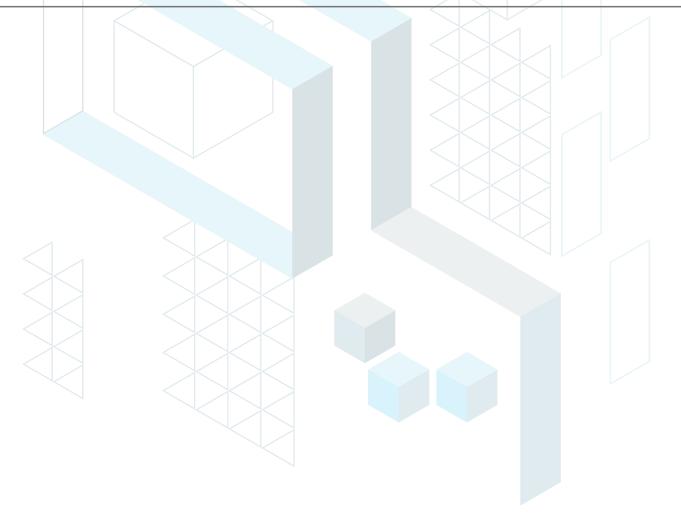
102021SAT9G

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600 8th Ave W, STE 400
Palmetto, FL 34221

Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
Arsenic	2	20	ND	Р
Cadmium	1	20	ND	P
Lead	2	20	ND	P
Mercury	12	50	ND	Р









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Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
Acetamiprid	30	100	ND	Р	Hexythiazox	30	100	ND	Р
Azoxystrobin	30	100	ND	Р	Imazalil	30	100	ND	Р
Bifenazate	30	100	ND	Р	Imidacloprid	30	100	ND	Р
Boscalid	30	100	ND	Р	Kresoxim methyl	30	100	ND	Р
Carbaryl	30	100	ND	Р	Malathion	30	100	ND	Р
Carbofuran	30	100	ND	P	Metalaxyl	30	100	ND	Р
Chloranthraniliprole	30	100	ND	Р	Methiocarb	30	100	ND	Р
Chlorfenapyr	30	100	ND	Р	Methomyl	30	100	ND	Р
Clofentezine	30	100	ND	Р	Mevinphos	30	100	ND	Р
Coumaphos	30	100	ND	P	Myclobutanil	30	100	ND	Р
Daminozide	30	100	ND	Р	Oxamyl	30	100	ND	Р
Diazinon	30	100	ND	Р	Paclobutrazol	30	100	ND	Р
Dimethoate	30	100	ND	Р	Permethrin	30	100	ND	Р
Ethoprophos	30	100	ND	Р	Phosmet	30	100	ND	Р
Etofenprox	30	100	ND	Р	Piperonyl Butoxide	30	100	ND	Р
Etoxazole	30	100	ND	Р	Prallethrin	30	100	ND	Р
Fenhexamid	30	100	ND	Р	Propiconazole	30	100	ND	Р
Fenoxycarb	30	100	ND	Р	Propoxur	30	100	ND	Р
Fenpyroximate	30	100	ND	Р	Pyridaben	30	100	ND	Р
Flonicamid	30	100	ND	Р	Spinetoram	30	100	ND	Р
					Spinosad	30	100	ND	Р
					Spiromesifen	30	100	ND	Р
					Spirotetramat	30	100	ND	Р
					Spiroxamine	30	100	ND	Р
					Tebuconazole	30	100	ND	Р
					Thiacloprid	30	100	ND	Р
					Thiamethoxam	30	100	ND	Р
					Trifloxystrobin	30	100	ND	Р







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Microbials by qPCR and/or Plating

Coliforms 1 ND P Aerobic Bacteria 1 ND P Salmonella Not Detected per 1 gram P Not Detected per 1 gram P	Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)	P/F
Salmonella Not Detected per 1 gram P	Coliforms	1	ND		Р
, 3	Aerobic Bacteria	1	ND		P
Total Enterphaeteriagona	Salmonella			Not Detected per 1 gram	Р
Not Detected per Figram P	Total Enterobacteriaceae			Not Detected per 1 gram	Р









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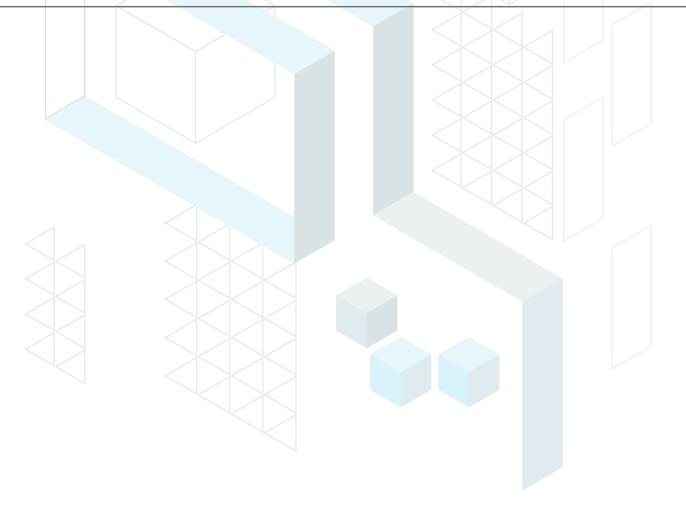
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USA

Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb) P/F
B1	1	5	ND P
B2	1	5	ND P
G1	1	5	ND P
G2	1	5	ND P
Ochratoxin A	1	5	ND P









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USA

Residual Solvents by HS-GC-MS/MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F
Acetone	167	500	ND	Р	Ethylene Oxide	0.5	1	ND	Р
Acetonitrile	14	41	ND	Р	Heptane	167	500	ND	Р
Benzene	0.5	1	ND	Р	n-Hexane	10	29	ND	Р
Butane	167	500	ND	Р	Isobutane	167	500	ND	Р
1-Butanol	167	500	ND	Р	Isopropyl Acetate	167	500	ND	Р
2-Butanol	167	500	ND	Р	Isopropyl Alcohol	167	500	ND	Р
2-Butanone	167	500	ND	P	Isopropylbenzene	167	500	ND	P
Chloroform	2	6	ND	Р	Methanol	100	300	ND	Р
Cyclohexane	130	388	ND	Р	2-Methylbutane	167	500	ND	Р
1,2-Dichloroethane	0.5	1	ND	Р	Methylene Chloride	20	60	ND	Р
1,2-Dimethoxyethane	4	10	ND	P	2-Methylpentane	10	29	ND	Р
Dimethyl Sulfoxide	167	500	ND	Р	3-Methylpentane	10	29	ND	Р
N,N-Dimethylacetamide	37	109	ND	P	n-Pentane	167	500	ND	Р
2,2-Dimethylbutane	10	29	ND	Р	1-Pentanol	167	500	ND	Р
N,N-Dimethylformamide	30	88	ND	Р	n-Propane	167	500	ND	Р
2,2-Dimethylpropane	167	500	ND	Р	1-Propanol	167	500	ND	Р
1,4-Dioxane	13	38	ND	Р	Pyridine	7	20	ND	Р
Ethanol	167	500	ND	Р	Tetrahydrofuran	24	72	ND	Р
2-Ethoxyethanol	6	16	ND	Р	Toluene	30	89	ND	Р
Ethyl Acetate	167	500	ND	Р	Trichloroethylene	3	8	ND	Р
Ethyl Ether	167	500	ND	Р	Tetramethylene Sulfone	6	16	ND	Р
Ethylbenzene	3	7	ND	Р	Xylenes (o-, m-, and p-)	73	217	ND	Р
Ethylene Glycol	21	62	ND	Р			1		







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Terpenes by HS-GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Analyte	LOD (%)	LOQ (%)	Result (%)
α-Bisabolol	0.00001	0.00005	0.00207	Limonene	0.00001	0.00001	0.000502
(+)-Borneol	0.00001	0.00005	ND	Linalool	0.00001	0.00001	0.000636
Camphene	0.00001	0.00005	<loq< th=""><th>β-myrcene</th><th>0.00001</th><th>0.00001</th><th>0.000444</th></loq<>	β-myrcene	0.00001	0.00001	0.000444
Camphor	0.00001	0.00005	ND	Nerol	0.00001	0.00001	ND
3-Carene	0.00001	0.00005	ND	cis-Nerolidol	0.00001	0.00001	ND
β-Caryophyllene	0.00001	0.00005	0.00112	trans-Nerolidol	0.00001	0.00001	0.000153
Caryophyllene Oxide	0.00001	0.00005	0.000386	Ocimene	0.00001	0.00001	ND
α -Cedrene	0.00001	0.00005	ND	α -Phellandrene	0.00001	0.00001	ND
Cedrol	0.00001	0.00005	ND	α -Pinene	0.00001	0.00001	0.001436
Eucalyptol	0.00001	0.00005	ND	β-Pinene	0.00001	0.00001	ND
Fenchone	0.00001	0.00005	ND	Pulegone	0.00001	0.00001	ND
Fenchyl Alcohol	0.00001	0.00005	ND	Sabinene	0.00001	0.00001	ND
Geraniol	0.00001	0.00005	ND	Sabinene Hydrate	0.00001	0.00001	ND
Geranyl Acetate	0.00001	0.00005	ND	α -Terpinene	0.00001	0.00001	ND
Guaiol	0.00001	0.00005	0.000342	γ-Terpinene	0.00001	0.00001	ND
Hexadhydrothymol	0.00001	0.00005	ND	α -Terpineol	0.00001	0.00001	<loq< th=""></loq<>
lpha-Humulene	0.00001	0.00005	0.000189	γ-Terpineol	0.00001	0.00001	ND
Isoborneol	0.00001	0.00005	ND	Terpinolene	0.00001	0.00001	<loq< th=""></loq<>
Isopulegol	0.00001	0.00005	ND	Total Terpenes (%)			0.00739

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



Sweet





Chamomile





Rosemary







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Reporting Limit Appendix

Heavy Metals -

Analyte	Li	mit (pp	b) Analyte	Limit (ppb)
Arsenic		200	Lead	500
Cadmium		200	Mercury	100

Microbials -

Analyte	Limit (CFU/g) Analyte	Limit (CFU/g)
Coliforms	1 Aerobic Bacteria	1000

Residual Solvents - USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Acetone	5000	Ethylene Oxide	1
Acetonitrile	410	Heptane	5000
Benzene	2	n-Hexane	290
Butane	5000	Isobutane	5000
1-Butanol	5000	Isopropyl Acetate	5000
2-Butanol	5000	Isopropyl Alcohol	5000
2-Butanone	5000	Isopropylbenzene	5000
Chloroform	60	Methanol	3000
Cyclohexane	3880	2-Methylbutane	5000
1,2-Dichloroethane	5	Methylene Chloride	600
1,2-Dimethoxyethane	100	2-Methylpentane	290
Dimethyl Sulfoxide	5000	3-Methylpentane	290
N,N-Dimethylacetamide	1090	n-Pentane	5000
2,2-Dimethylbutane	290	1-Pentanol	5000
N,N-Dimethylformamide	880	n-Propane	5000
2,2-Dimethylpropane	5000	1-Propanol	5000
1,4-Dioxane	380	Pyridine	200
Ethanol	5000	Tetrahydrofuran	720
2-Ethoxyethanol	160	Toluene	890
Ethyl Acetate	5000	Trichloroethylene	80
Ethyl Ether	5000	Tetramethylene Sulfone	160
Ethylbenzene	70	Xylenes (o-, m-, and p-)	2170
Ethylene Glycol	620		

Pesticides - CA BCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Boscalid	10000	Kresoxim methyl	1000
Carbaryl	500	Malathion	5000
Carbofuran	30	Metalaxyl	15000
Chloranthraniliprole	40000	Methiocarb	30
Chlorfenapyr	30	Methomyl	100
Clofentezine	500	Mevinphos	30
Coumaphos	30	Myclobutanil	9000
Daminozide	30	Oxamyl	200
Diazinon	200	Paclobutrazol	30
Dimethoate	30	Permethrin	20000
Ethoprophos	30	Phosmet	200
Etofenprox	30	Piperonyl Butoxide	8000
Etoxazole	1500	Prallethrin	400
Fenhexamid	10000	Propiconazole	20000
Fenoxycarb	30	Propoxur	30
Fenpyroximate	2000	Pyridaben	3000
Flonicamid	2000	Spinetoram	3000

Mycotoxins -

Analyte	Limit (ppm) Analyte	Limit (ppm)
B1	20 B2	20
G1	20 G2	20
Ochratoxin A	20	

Pesticides - CA BCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Acetamiprid	5000	Hexythiazox	2000
Azoxystrobin	40000	Imazalil	30
Rifenazate	5000	Imidacloprid	3000

