

# 322INSV

Sample ID: SA-220519-9363  
 Batch: 322INSV  
 Type: Finished Products  
 Matrix: Oil / Liquid - Emulsion  
 Unit Mass (g):

Received: 06/15/2022  
 Completed: 06/28/2022

**Client**  
 SunFlora Inc.  
 600 8th Ave W, STE 400  
 Palmetto, FL 34221  
 USA

## Summary

Test	Date Tested	Status
Cannabinoids	06/22/2022	Tested
Heavy Metals	06/17/2022	Tested
Microbials	06/22/2022	Tested
Mycotoxins	06/27/2022	Tested
Pesticides	06/28/2022	Tested
Terpenes	06/20/2022	Tested



<b>2.67 mg/mL</b> Total Δ9-THC	<b>20.2 mg/mL</b> CBD	<b>30.4 mg/mL</b> Total Cannabinoids	<b>Not Tested</b> Moisture Content	<b>Not Tested</b> Foreign Matter	<b>Yes</b> Internal Standard Normalization
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## Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

Analyte	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (%)
CBC	0.00095	0.00284	2.52	0.236
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.00242	20.2	1.89
CBDA	0.00043	0.0013	ND	ND
CBDV	0.00061	0.00182	0.386	0.0362
CBDVA	0.00021	0.00063	ND	ND
CBG	0.00057	0.00172	2.36	0.221
CBGA	0.00049	0.00147	ND	ND
CBL	0.00112	0.00335	0.229	0.0215
CBLA	0.00124	0.00371	0.106	0.00993
CBN	0.00056	0.00169	ND	ND
CBNA	0.0006	0.00181	ND	ND
CBT	0.0018	0.0054	1.89	0.177
Δ8-THC	0.00104	0.00312	ND	ND
Δ9-THC	0.00076	0.00227	2.67	0.250
Δ9-THCA	0.00084	0.00251	ND	ND
Δ9-THCV	0.00069	0.00206	0.0620	0.00581
Δ9-THCVA	0.00062	0.00186	ND	ND
<b>Total Δ9-THC</b>			<b>2.67</b>	<b>0.250</b>
<b>Total CBD</b>			<b>20.2</b>	<b>1.89</b>
<b>Total</b>			<b>30.4</b>	<b>2.85</b>

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA \* 0.877 + Δ9-THC; Total CBD = CBDA \* 0.877 + CBD;



Generated By: Ryan Bellone  
 CCO  
 Date: 12/16/2022



Tested By: Jared Burkhart  
 Technical Manager  
 Date: 06/22/2022



ISO/IEC 17025:2017 Accredited  
 Accreditation #108651



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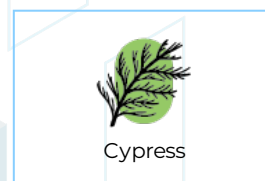
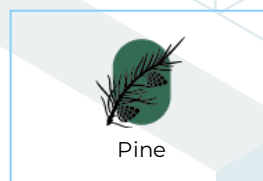
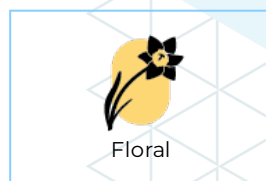
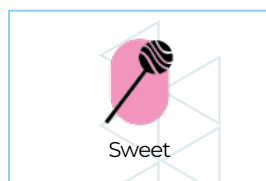
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## Terpenes by HS-GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Analyte	LOD (%)	LOQ (%)	Result (%)
$\alpha$ -Bisabolol	0.00100	0.00500	0.238	Limonene	0.001	0.005	0.013855
(+)-Borneol	0.00100	0.00500	ND	Linalool	0.001	0.005	0.015421
Camphene	0.00100	0.00500	ND	$\beta$ -myrcene	0.001	0.005	0.007484
Camphor	0.00100	0.00500	ND	Nerol	0.001	0.005	ND
3-Carene	0.00100	0.00500	ND	cis-Nerolidol	0.001	0.005	ND
$\beta$ -Caryophyllene	0.00100	0.00500	0.015299	trans-Nerolidol	0.001	0.005	ND
Caryophyllene Oxide	0.00100	0.00500	ND	Ocimene	0.001	0.005	ND
$\alpha$ -Cedrene	0.00100	0.00500	ND	$\alpha$ -Phellandrene	0.001	0.005	ND
Cedrol	0.00100	0.00500	ND	$\alpha$ -Pinene	0.001	0.005	<LOQ
Eucalyptol	0.00100	0.00500	ND	$\beta$ -Pinene	0.001	0.005	<LOQ
Fenchone	0.00100	0.00500	ND	Pulegone	0.001	0.005	ND
Fenchyl Alcohol	0.00100	0.00500	ND	Sabinene	0.001	0.005	ND
Geraniol	0.00100	0.00500	ND	Sabinene Hydrate	0.001	0.005	ND
Geranyl Acetate	0.00100	0.00500	ND	$\alpha$ -Terpinene	0.001	0.005	ND
Guaial	0.00100	0.00500	0.028766	$\gamma$ -Terpinene	0.001	0.005	<LOQ
Hexadhydrothymol	0.00100	0.00500	ND	$\alpha$ -Terpineol	0.001	0.005	<LOQ
$\alpha$ -Humulene	0.00100	0.00500	0.005457	$\gamma$ -Terpineol	0.001	0.005	ND
Isoborneol	0.00100	0.00500	ND	Terpinolene	0.001	0.005	<LOQ
Isopulegol	0.00100	0.00500	ND	<b>Total Terpenes (%)</b>			<b>0.336</b>

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




Generated By: Ryan Bellone  
 CCO

Date: 12/16/2022



Tested By: Scott Caudill  
 Senior Scientist

Date: 06/20/2022



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## Heavy Metals by ICP-MS

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

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Generated By: Ryan Bellone  
 CCO

Date: 12/16/2022



Tested By: Nicholas Howard  
 Scientist

Date: 06/17/2022



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

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

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



Generated By: Ryan Bellone  
 CCO

Date: 12/16/2022



Tested By: Jared Burkhart  
 Technical Manager

Date: 06/28/2022



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## Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND

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



Generated By: Ryan Bellone  
 CCO

Date: 12/16/2022



Tested By: Alex Morris  
 Quality Assurance Manager

Date: 06/27/2022



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## Microbials by PCR and Plating

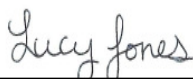
Analyte	LOD (CFU/g)	Result (CFU/g)
Total aerobic count	1	ND
Total coliforms	1	ND
Generic E. coli	1	ND
Total yeast and mold count (TYMC)	1	ND

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



Generated By: Ryan Bellone  
 CCO

Date: 12/16/2022



Tested By: Lucy Jones  
 Scientist

Date: 06/22/2022



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## Reporting Limit Appendix

### Heavy Metals - Colorado CDPHE

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Arsenic	1500	Lead	500
Cadmium	500	Mercury	1500

### Microbials - Colorado CDPHE

Analyte	Limit (CFU/g)	Analyte	Limit (CFU/g)
Total coliforms	100	Total aerobic count	10000
Total yeast and mold count (TYMC)	1000		1

### Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Acephate	5000	Hexythiazox	2000
Acetamiprid	5000	Imazalil	30
Azoxystrobin	40000	Imidacloprid	3000
Bifenazate	5000	Kresoxim methyl	1000
Boscalid	10000	Malathion	5000
Carbaryl	500	Metalaxyl	15000
Carbofuran	30	Methiocarb	30
Chloranthraniliprole	40000	Methomyl	100
Chlorfenapyr	30	Mevinphos	30
Chlorpyrifos	30	Myclobutanil	9000
Clofentezine	500	Oxamyl	200
Coumaphos	30	Paclobutrazol	30
Daminozide	30	Phosmet	200
Diazinon	200	Piperonyl Butoxide	8000
Dichlorvos	30	Prallethrin	400
Dimethoate	30	Propiconazole	20000
Dimethomorph	20000	Propoxur	30
Ethoprophos	30	Pyridaben	3000
Etofenprox	30	Spinetoram	3000
Etoxazole	1500	Spinosad	3000
Fenhexamid	10000	Spirotetramat	13000
Fenoxycarb	30	Spiroxamine	30
Fenpyroximate	2000	Tebuconazole	2000
Fipronil	30	Thiacloprid	30
Flonicamid	2000	Thiamethoxam	4500
Fludioxonil	30000	Trifloxystrobin	30000

### Mycotoxins - Colorado CDPHE

Analyte	Limit (ppm)	Analyte	Limit (ppm)
B1	5	B2	5
G1	5	G2	5

