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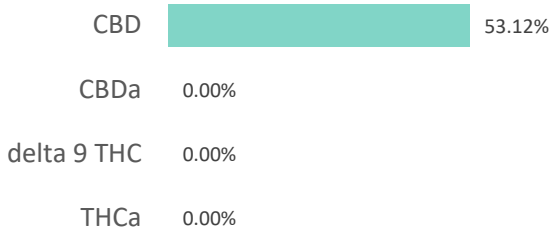
CERTIFICATE OF ANALYSIS

prepared for: SYZYGY
8820 WILSHIRE BLVD SUITE 300
BEVERLY HILLS, CA 90211

SYZYGY REFRESH VAPE PEN

Batch ID:	123019_V_RE_10	**Test ID:**	2724134.005
Reported:	17-Jan-2020	**Method:**	TM14
Type:	Unit		
Test:	Potency		

CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	1.76	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.88	0.00	0.0
Cannabidiolic acid (CBDA)	2.24	0.00	0.0
Cannabidiol (CBD)	1.25	265.60	531.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.96	0.00	0.0
Cannabinolic Acid (CBNA)	2.42	0.00	0.0
Cannabinol (CBN)	1.07	0.00	0.0
Cannabigerolic acid (CBGA)	1.54	0.00	0.0
Cannabigerol (CBG)	0.87	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	1.51	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.79	0.00	0.0
Cannabidivarinic Acid (CBDVA)	2.08	0.00	0.0
Cannabidivarin (CBDV)	1.14	0.00	0.0
Cannabichromenic Acid (CBCA)	1.32	0.00	0.0
Cannabichromene (CBC)	1.59	0.00	0.0
Total Cannabinoids		**265.60**	**531.20**
Total Potential THC**		0.00	0.00
Total Potential CBD**		265.60	531.20

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

NOTES:

# of Servings = 1, Sample Weight=0.5g

N/A

FINAL APPROVAL

Daniel Weidensaul
17-Jan-2020
5:14 PM
PREPARED BY / DATE

Greg Zimpfer
17-Jan-2020
5:44 PM
APPROVED BY / DATE

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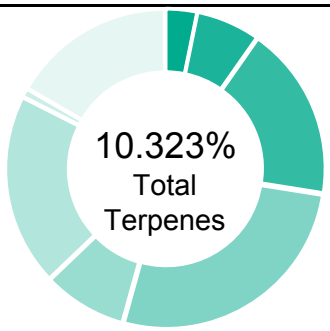
CERTIFICATE OF ANALYSIS

prepared for: SYZYGY
8820 WILSHIRE BLVD SUITE 300
BEVERLY HILLS, CA 90211

SYZYGY REFRESH VAPE PEN

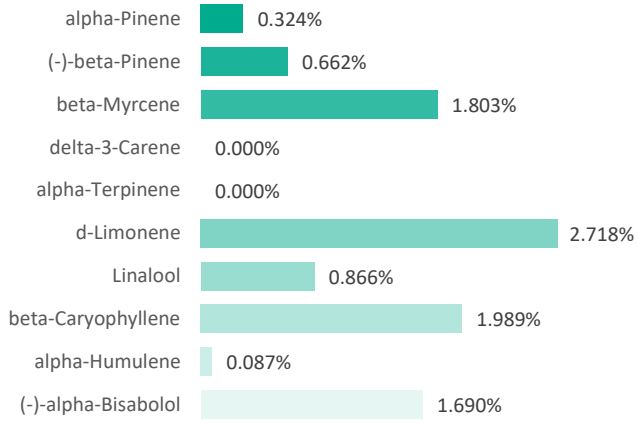
Batch ID:	123019_V_RE_10	**Test ID:**	7120176.0034
Reported:	20-Jan-2020	**Method:**	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	1.690	16.9
Camphene	0.108	1.08
delta-3-Carene	0.000	0
beta-Caryophyllene	1.989	19.89
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.087	0.87
(-)-Isopulegol	0.000	0
d-Limonene	2.718	27.18
Linalool	0.866	8.66
beta-Myrcene	1.803	18.03
cis-Nerolidol	0.000	0
trans-Nerolidol	0.024	0.24
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.324	3.24
(-)-beta-Pinene	0.662	6.62
alpha-Terpinene	0.000	0
gamma-Terpinene	0.000	0
Terpinolene	0.052	0.52
	10.323%	**103.23**

PREDOMINANT TERPENES



NOTES:
0

FINAL APPROVAL

Daniel Weidensaul
20-Jan-2020
1:51 PM

PREPARED BY / DATE

David Green
20-Jan-2020
4:09 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: SYZYGY
8820 WILSHIRE BLVD SUITE 300
BEVERLY HILLS, CA 90211

SYZYGY REFRESH VAPE PEN

Batch ID:	123019_V_RE_10	**Test ID:**	T000052281
Reported:	17-Jan-2020	**Method:**	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	None Detected
Salmonella	None Detected

** CFU/g = Colony Forming Unit per Gram*

*** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.*

Examples: 10^2 = 100 CFU
10^3 = 1,000 CFU
10^4 = 10,000 CFU
10^5 = 100,000 CFU

NOTES:
Free from visual mold, mildew, and foreign matter
TYM: None Detected
Total Aerobic: None Detected
Coliforms: None Detected

FINAL APPROVAL

Samantha N. Pauly
Samantha Pauly
17-Jan-2020
6:13 PM
PREPARED BY / DATE

Greg Zimpfer
17-Jan-2020
6:29 PM
APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.03

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CERTIFICATE OF ANALYSIS

prepared for: SYZYGY
8820 WILSHIRE BLVD SUITE 300
BEVERLY HILLS, CA 90211

SYZYGY REFRESH VAPE PEN

Batch ID:	123019_V_RE_10	**Test ID:**	1601194.0019
Reported:	16-Jan-2020	**Method:**	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	54 - 2511	ND*
Acetamiprid	54 - 2511	ND*
Avermectin	325 - 2511	ND*
Azoxystrobin	54 - 2511	ND*
Bifenazate	54 - 2511	N/A
Boscalid	325 - 2511	ND*
Carbaryl	54 - 2511	ND*
Carbofuran	54 - 2511	ND*
Chlorantraniliprole	54 - 2511	ND*
Chlorpyrifos	325 - 2511	ND*
Clofentezine	54 - 2511	ND*
Diazinon	54 - 2511	ND*
Dichlorvos	325 - 2511	ND*
Dimethoate	54 - 2511	ND*
E-Fenpyroximate	325 - 2511	ND*
Etofenprox	325 - 2511	ND*
Etoxazole	325 - 2511	ND*
Fenoxycarb	54 - 2511	ND*
Fipronil	325 - 2511	ND*
Flonicamid	54 - 2511	ND*
Fludioxonil	325 - 2511	ND*
Hexythiazox	325 - 2511	ND*
Imazalil	325 - 2511	ND*
Imidacloprid	54 - 2511	ND*
Kresoxim-methyl	54 - 2511	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	54 - 2511	ND*
Metalaxyl	325 - 2511	ND*
Methiocarb	54 - 2511	ND*
Methomyl	54 - 2511	ND*
MGK 264 1	54 - 2511	ND*
MGK 264 2	325 - 2511	ND*
Myclobutanil	325 - 2511	ND*
Naled	325 - 2511	ND*
Oxamyl	54 - 2511	ND*
Paclobutrazol	54 - 2511	ND*
Permethrin	325 - 2511	ND*
Phosmet	54 - 2511	ND*
Prophos	325 - 2511	ND*
Propoxur	325 - 2511	ND*
Pyridaben	325 - 2511	ND*
Spinosad A	54 - 2511	ND*
Spinosad D	325 - 2511	ND*
Spiromesifen	54 - 2511	ND*
Spirotetramat	325 - 2511	ND*
Spiroxamine 1	54 - 2511	ND*
Spiroxamine 2	54 - 2511	ND*
Tebuconazole	54 - 2511	ND*
Thiacloprid	54 - 2511	ND*
Thiamethoxam	54 - 2511	ND*
Trifloxystrobin	325 - 2511	ND*

* ND = None Detected (Defined by Dynamic Range of the method)

N/A

FINAL APPROVAL

Alex Smith
16-Jan-2020
1:53 PM
PREPARED BY / DATE

Greg Zimpfer
16-Jan-2020
2:20 PM
APPROVED BY / DATE

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prepared for: SYZYGY
8820 WILSHIRE BLVD SUITE 300
BEVERLY HILLS, CA 90211

SYZYGY REFRESH VAPE PEN

Batch ID:	123019_V_RE_10	**Test ID:**	1006971.008
Reported:	17-Jan-2020	**Method:**	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

NOTES:
Free from visual mold, mildew, and foreign matter.

FINAL APPROVAL

Tyler Wiese
17-Jan-2020
2:37 PM

PREPARED BY / DATE

Greg Zimpfer
17-Jan-2020
4:54 PM

APPROVED BY / DATE

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