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1 of 8

# 1000mg Mixed Berry Tincture

Sample ID: SA-230403-19726 Batch: 2022-0842M Type: Finished Products Matrix: Oil / Liquid - Hemp Seed Oil Jnit Mass (g):		Collected: 03/22/ Received: 03/27/2 Completed: 03/3	2023	Client Wrapped in Hearts 4630 50th Street Lubbock, TX 79414 USA		
			Summary	$\times$		
			Test	Date Tested	Status	
			Cannabinoids	03/30/2023	Tested	
	2000		Foreign Matter	03/27/2023	Tested	
			Heavy Metals	03/28/2023	Passed	
	Mixed Berry		Microbials	03/31/2023	Passed	
			Mycotoxins	03/30/2023	Passed	
	HONA		Pesticides	03/30/2023	Passed	
	BIOMO SPECTRUM CBD OIL Propensiona, varanja 4		Residual Solvents	03/29/2023	Passed	
	Honore Pile Kinase pile Till se color and		Terpenes	03/30/2023	Tested	
0.0807 mg/mL	32.9 mg/mL	33.4 mg/mL	Not Tested	Not Detected	Yes	
					Internal Standard	
Total <u>A</u> 9-THC	Total CBD			Foreign Matter	Normalization	
annabinoic				Result		
annabinoic <sub>nalyte</sub>	is by HPLC-PDA, I	LC-MS/MS, and/	or GC-MS/MS Result		Normalization	
annabinoic nalyte 3C	is by HPLC-PDA, I	LC-MS/MS, and/ LOQ (mg/mL)	or GC-MS/MS Result (mg/mL)	Result (%)	Normalization Result (mg/unit)	
annabinoic nalyte 3C 3CA	is by HPLC-PDA, I LOD (mg/mL) 0.00095	LC-MS/MS, and/ LOQ (mg/mL) 0.00284	Vor GC-MS/MS Result (mg/mL) ND	Result (%) ND	Normalization Result (mg/unit) ND	
annabinoic nalyte 3C 3CA 3CV	is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543	Vor GC-MS/MS Result (mg/mL) ND ND	Result (%) ND ND	Normalization Result (mg/unit) ND ND	
annabinoic nalyte 3C 3CA 3CV 3D	is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018	Vor GC-MS/MS Result (mg/mL) ND ND ND ND	Result (%) ND ND ND ND	Normalization Result (mg/unit) ND ND ND ND	
annabinoic nalyte 3C 3CA 3CV 3D 3D 3DA	is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242	Vor GC-MS/MS Result (mg/mL) ND ND ND ND 32.9	Result (%) ND ND ND ND 3.52	Normalization Result (mg/unit) ND ND ND ND 988	
annabinoic nalyte BC BCA BC BD BDA BDA BDV	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND	Result         (%)           ND         ND           ND         ND           ND         3.52           ND         ND	Normalization Result (mg/unit) ND ND ND 988 ND	
annabinoid nalyte BC BCA BCV BD BDA BDV BDVA BG	is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00061	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197	Result         (%)           ND         ND           ND         3.52           ND         0.0211	Normalization Result (mg/unit) ND ND ND 988 ND 5.92	
annabinoic nalyte BC BCA BC BCA BCV BDA BDA BDV BDVA BCA BCA	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00061 0.00021 0.00021 0.00057 0.00049	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.147 ND	Result (%) ND ND ND ND 3.52 ND 0.0211 ND 0.0157 ND	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND	
annabinoid nalyte BC BCA BCV BD BDA BDV BDVA BGA BGA BL	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00061 0.00021 0.00021 0.00057 0.00049 0.00112	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00335	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.197 ND 0.147 ND 0.147 ND 0.147 ND ND	Result (%) ND ND ND ND 3.52 ND 0.0211 ND 0.0157 ND ND	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND ND	
annabinoid nalyte BC BCA BCV BD BDA BDV BDVA BGA BGA BL BLA	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00061 0.00021 0.00021 0.00057 0.00049 0.00112 0.00124	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00335 0.00371	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND ND ND	Result (%) ND ND ND ND 3.52 ND 0.0211 ND 0.0157 ND ND ND ND	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND 4.41 ND ND ND ND	
annabinoid nalyte BC BCA BC BCA BCV BDV BDV BDV BDVA BCA BCA BL BLA BN	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00061 0.00021 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00147 0.00335 0.00371 0.00169	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND ND 0.147 ND ND ND ND ND ND ND ND ND ND	Result (%) ND ND ND ND 3.52 ND 0.0211 ND 0.0157 ND ND ND ND ND ND	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND 4.41 ND ND ND ND ND ND	
annabinoid nalyte BC BCA BCA BCV BDA BDA BDV BDVA BGA BCA BL BLA BN BNA	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00147 0.00335 0.00371 0.00169 0.00181	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.197 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND ND 0.147 ND ND 0.147 ND ND ND ND ND ND ND ND ND ND ND ND ND	Result         (%)           ND         ND           ND         ND           ND         3.52           ND         0.0211           ND         0.0157           ND         ND	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND ND ND ND ND ND ND ND ND	
annabinoid nalyte BC BCA BCA BCV BDA BDA BDV BDVA BGA BCA BL BLA BLA BNA BNA BT	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0008	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.147 ND 0.0474 0.0474 0.0474	Result (%) ND ND ND ND 3.52 ND 0.0211 ND 0.0157 ND ND ND ND ND ND ND ND ND ND ND	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND 4.41 ND ND ND ND ND ND ND ND ND ND ND	
annabinoic nalyte BC BCA BCA BCV BDA BDA BDA BDV BDVA BCA BCA BLA BLA BLA BLA BNA BNA BT B-THC	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0006 0.0006 0.0018 0.00104	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00147 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.0054 0.00312	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.0474 ND 0.0474 ND	Result (%) ND ND ND ND 3.52 ND 0.0211 ND 0.0157 ND ND ND ND ND ND ND ND ND ND ND ND ND	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND ND 4.41 ND ND ND ND ND ND ND ND ND ND ND ND ND	
annabinoic nalyte BC BCA BCA BCA BCA BCA BDA BDA BDA BCA BCA BLA BLA BLA BLA BLA BLA BLA BLA BLA BL	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0008 0.0016 0.0008 0.00104 0.00104 0.00076	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00147 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.0054 0.00312 0.00027	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.197 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.0474 ND 0.0807	Result (%) ND ND ND ND 3.52 ND 0.0211 ND 0.0157 ND ND ND ND ND ND ND ND ND ND ND ND ND	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND 4.41 ND ND ND ND ND ND ND ND ND ND ND ND ND	
annabinoic nalyte BC BCA BCA BCA BCA BCA BDA BDA BDA BCA BCA BLA BLA BLA BLA BNA BT B-THC D-THCA	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0018 0.0006 0.00124 0.00056 0.0006 0.0018 0.00104 0.00076 0.00084	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.00312 0.0054 0.00312 0.00227 0.00251	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.0474 ND 0.0474 ND 0.0807 ND	Result (%) ND ND ND ND 3.52 ND 0.0211 ND 0.0157 ND ND ND ND ND ND ND ND ND ND ND ND ND	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND ND 4.41 ND ND ND ND ND ND ND ND ND ND ND ND ND	
annabinoid nalyte BC BCA BCA BCA BCA BCA BCA BDA BDA BDA BCA BCA BLA BLA BLA BLA BLA BLA BLA BLA BLA BL	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0018 0.0006 0.0018 0.00104 0.00076 0.00084 0.00069	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.00312 0.0054 0.00312 0.00227 0.00251 0.00206	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.0474 ND 0.0474 ND 0.0807 ND 0.0807 ND ND ND ND	Result         (%)           ND         ND           ND         ND           ND	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND 4.41 ND ND ND ND ND ND ND N	
annabinoic nalyte BC BCA BCV BDA BDA BDV BDVA BGA BCA BCA BCA BLA BLA BNA BT B-THC D-THC D-THCA D-THCV D-THCVA	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0018 0.0006 0.00124 0.00056 0.0006 0.0018 0.00104 0.00076 0.00084	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.00312 0.0054 0.00312 0.00227 0.00251	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.0474 ND ND ND ND ND ND ND ND ND ND	Result (%)           ND           ND           ND           ND           ND           ND           0.0211           ND           0.0217           ND           ND           0.0157           ND           ND </td <td>Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND 4.41 ND ND ND ND ND ND ND ND 1.42 ND 2.42 ND 2.42 ND ND ND ND ND ND ND ND ND ND ND ND ND</td>	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND 4.41 ND ND ND ND ND ND ND ND 1.42 ND 2.42 ND 2.42 ND ND ND ND ND ND ND ND ND ND ND ND ND	
Cannabinoic nalyte BC BCA BCA BCV BDA BDA BDV BDVA BGA BCA BCA BLA BLA BLA BNA BT B-THC 9-THC 9-THC 9-THCA 9-THCV 9-THCVA 0001 Δ9-THC	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0018 0.0006 0.0018 0.00104 0.00076 0.00084 0.00069	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.00312 0.0054 0.00312 0.00227 0.00251 0.00206	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.0474 ND ND 0.0474 ND 0.0807 ND 0.0807	Result (%) ND ND ND ND 3.52 ND 0.0211 ND 0.0157 ND ND ND ND ND ND ND ND 0.00507 ND 0.00863 ND ND 0.00863	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND 5.92 ND 4.41 ND ND ND ND ND ND ND 1.42 ND 2.42 ND ND 2.42	
	Is by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0018 0.0006 0.0018 0.00104 0.00076 0.00084 0.00069	LC-MS/MS, and/ LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.00312 0.0054 0.00312 0.00227 0.00251 0.00206	Vor GC-MS/MS Result (mg/mL) ND ND ND 32.9 ND 0.197 ND 0.147 ND 0.147 ND 0.147 ND 0.147 ND 0.0474 ND ND ND ND ND ND ND ND ND ND	Result (%)           ND           ND           ND           ND           ND           ND           0.0211           ND           0.0217           ND           ND           0.0157           ND           ND </td <td>Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND 4.41 ND ND ND ND ND ND ND ND 1.42 ND 2.42 ND 2.42 ND ND ND ND ND ND ND ND ND ND ND ND ND</td>	Normalization Result (mg/unit) ND ND ND 988 ND 5.92 ND 4.41 ND 4.41 ND ND ND ND ND ND ND ND 1.42 ND 2.42 ND 2.42 ND ND ND ND ND ND ND ND ND ND ND ND ND	

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

Generated By: Ryan Bellone CCO Date: 04/03/2023

Tested By: Nicholas Howard Scientist Date: 03/30/2023





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#### 1000mg Mixed Berry Tincture

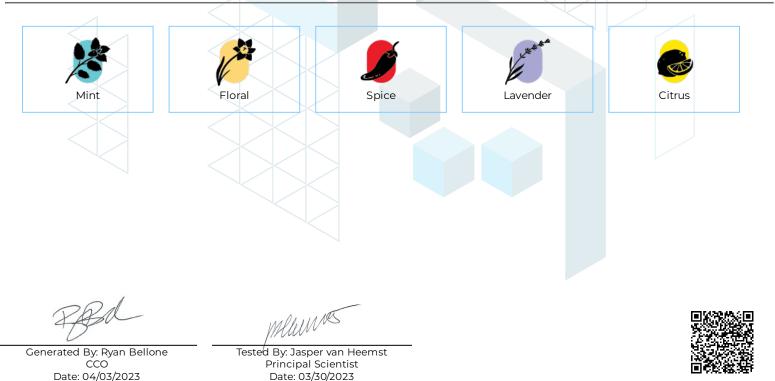
Sample ID: SA-230403-19726 Batch: 2022-0842M Type: Finished Products Matrix: Oil / Liquid - Hemp Seed Oil Unit Mass (g):

Collected: 03/22/2023 Received: 03/27/2023 Completed: 03/31/2023 **Client** Wrapped in Hearts 4630 50th Street Lubbock, TX 79414 USA

### Terpenes by GC-MS

Terpenes by GC-	·MS						
Analyte	LOD (%)	LOQ (%)	Result (%)	Analyte	LOD (%)	LOQ (%)	Result (%)
<b>α</b> -Bisabolol	0.002	0.01	ND	Limonene	0.002	0.01	0.01879
(+)-Borneol	0.002	0.01	ND	Linalool	0.002	0.01	0.03483
Camphene	0.002	0.01	ND	β-myrcene	0.002	0.01	ND
Camphor	0.004	0.02	ND	Nerol	0.002	0.01	ND
3-Carene	0.002	0.01	ND	cis-Nerolidol	0.002	0.01	ND
β-Caryophyllene	0.002	0.01	<loq< td=""><td>trans-Nerolidol</td><td>0.002</td><td>0.01</td><td>ND</td></loq<>	trans-Nerolidol	0.002	0.01	ND
Caryophyllene Oxide	0.002	0.01	ND	Ocimene	0.002	0.01	ND
<b>α</b> -Cedrene	0.002	0.01	ND	<b>α</b> -Phellandrene	0.002	0.01	ND
Cedrol	0.002	0.01	ND	<b>α</b> -Pinene	0.002	0.01	ND
Eucalyptol	0.002	0.01	<loq< td=""><td>β-Pinene</td><td>0.002</td><td>0.01</td><td><loq< td=""></loq<></td></loq<>	β-Pinene	0.002	0.01	<loq< td=""></loq<>
Fenchone	0.004	0.02	ND	Pulegone	0.002	0.01	ND
Fenchyl Alcohol	0.002	0.01	ND	Sabinene	0.002	0.01	ND
Geraniol	0.002	0.01	ND	Sabinene Hydrate	0.002	0.01	ND
Geranyl Acetate	0.002	0.01	ND	<b>α</b> -Terpinene	0.002	0.01	ND
Guaiol	0.002	0.01	ND	γ-Terpinene	0.002	0.01	<loq< td=""></loq<>
Hexadhydrothymol	0.002	0.01	0.05308	<b>α</b> -Terpineol	0.001	0.005	ND
<b>α</b> -Humulene	0.002	0.01	ND	γ-Terpineol	0.001	0.005	ND
Isoborneol	0.002	0.01	ND	Terpinolene	0.002	0.01	ND
Isopulegol	0.002	0.01	ND	Valencene	0.002	0.01	ND
				Total Terpenes (%)			0.129

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



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### 1000mg Mixed Berry Tincture

kca

Sample ID: SA-230403 Batch: 2022-0842M Type: Finished Produc Matrix: Oil / Liquid - H Unit Mass (g):	ts	Collected: 03/22/2023 Received: 03/27/2023 Completed: 03/31/2023	4630 50t	l in Hearts h Street , TX 79414
Heavy Metals Analyte	by ICP-MS	LOQ (ppb)	Result (ppb)	P/F
Arsenic	2	20	ND	P
Cadmium	1	20	ND	Р
Lead	2	20	<rl< td=""><td>Р</td></rl<>	Р
Mercury	12	50	ND	P

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: 04/03/2023

Tested By: Kelsey Rogers

ested By: Kelsey Rogers Scientist Date: 03/28/2023





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### 1000mg Mixed Berry Tincture

Sample ID: SA-230403-19726 Batch: 2022-0842M Type: Finished Products Matrix: Oil / Liquid - Hemp Seed Oil Unit Mass (g):

Collected: 03/22/2023 Received: 03/27/2023 Completed: 03/31/2023 Client Wrapped in Hearts 4630 50th Street Lubbock, TX 79414 USA

#### Pesticides by LC-MS/MS

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

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: 04/03/2023

Humes

Tested By: Jasper van Heemst Principal Scientist Date: 03/30/2023



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### 1000mg Mixed Berry Tincture

kca

Sample ID: SA-230403-197 Batch: 2022-0842M Type: Finished Products Matrix: Oil / Liquid - Hemp Unit Mass (g):		Collected: 03/22/2023 Received: 03/27/2023 Completed: 03/31/203	3 3 23	<b>Client</b> Wrapped in Hearts 4630 50th Street Lubbock, TX 79414 USA	
Mycotoxins by L Analyte	C-MS/MS	LOQ (ppb)	Result (ppb)	P/F	
BI	1	5	ND	Р	
B2	1	5	ND	Р	
GI	1	5	ND	Р	
G2	1	5	ND	Р	
Ochratoxin A	1	5	ND	P	

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: 04/03/2023

Humes

Tested By: Jasper van Heemst Principal Scientist Date: 03/30/2023



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### 1000mg Mixed Berry Tincture

kca

Sample ID: SA-230403-19726 Batch: 2022-0842M Type: Finished Products Matrix: Oil / Liquid - Hemp Seed Oil Unit Mass (g):	Collected: 03/ Received: 03/ Completed: 03	27/2023	<b>Client</b> Wrapped in Hearts 4630 50th Street Lubbock, TX 79414 USA
Microbials by PCR and Plan	LOD (CFU/g)	Result (CFU/g)	P/F
Total aerobic count		ND	P
Total aerobic count Total coliforms		ND ND	P P
			P P P
Total coliforms		ND	P

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: 04/03/2023

Tested By: Lucy Jones Scientist Date: 03/31/2023





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#### 1000mg Mixed Berry Tincture

Sample ID: SA-230403-19726 Batch: 2022-0842M Type: Finished Products Matrix: Oil / Liquid - Hemp Seed Oil Unit Mass (g):

Collected: 03/22/2023 Received: 03/27/2023 Completed: 03/31/2023 Client Wrapped in Hearts 4630 50th Street Lubbock, TX 79414 USA

### **Residual Solvents by HS-GC-MS**

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F
Acetone	167	500	ND	P	Ethylene Glycol	21	62	ND	Ρ
Acetonitrile	14	41	ND	Ρ	Ethylene Oxide	0.5	1	ND	Ρ
Benzene	0.5	1	ND	Ρ	Heptane	167	500	ND	Ρ
Butane	167	500	ND	Р	n-Hexane	10	29	ND	Ρ
1-Butanol	167	500	ND	Ρ	Isobutane	167	500	ND	Ρ
2-Butanol	167	500	ND	Р	Isopropyl Acetate	167	500	ND	Ρ
2-Butanone	167	500	ND	Ρ	Isopropyl Alcohol	167	500	ND	Ρ
Chloroform	2	6	ND	P	Isopropylbenzene	167	500	ND	Ρ
Cyclohexane	129	388	ND	Р	Methanol	100	300	ND	Ρ
1,2-Dichloroethane	0.5	1	ND	Ρ	2-Methylbutane	10	29	ND	Ρ
1,2-Dimethoxyethane	4	10	ND	Р	Methylene Chloride	20	60	ND	Ρ
Dimethyl Sulfoxide	167	500	ND	Р	2-Methylpentane	10	29	ND	Ρ
N,N-Dimethylacetamide	37	109	ND	Р	3-Methylpentane	10	29	ND	Ρ
2,2-Dimethylbutane	10	29	ND	Р	n-Pentane	167	500	ND	Ρ
2,3-Dimethylbutane	10	29	ND	Р	1-Pentanol	167	500	ND	Ρ
N,N-Dimethylformamide	30	88	ND	Р	n-Propane	167	500	ND	Ρ
2,2-Dimethylpropane	167	500	ND	Р	1-Propanol	167	500	ND	Ρ
1,4-Dioxane	13	38	ND	Р	Pyridine	7	20	ND	Ρ
Ethanol	167	500	ND	Р	Tetrahydrofuran	24	72	ND	Ρ
2-Ethoxyethanol	6	16	ND	Р	Toluene	30	89	ND	Ρ
Ethyl Acetate	167	500	ND	Р	Trichloroethylene	3	8	ND	Ρ
Ethyl Ether	167	500	ND	Р	Tetramethylene Sulfone	6	16	ND	Ρ
Ethylbenzene	3	7	ND	Р	Xylenes (o-, m-, and p-)	73	217	ND	Р

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: 04/03/2023

Tested By: Scott Caudill Senior Scientist Date: 03/29/2023





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Pesticides - CA DCC

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### 1000mg Mixed Berry Tincture

Sample ID: SA-230403-19726 Batch: 2022-0842M Type: Finished Products Matrix: Oil / Liquid - Hemp Seed Oil Unit Mass (g):

Collected: 03/22/2023 Received: 03/27/2023 Completed: 03/31/2023

#### Client

Wrapped in Hearts 4630 50th Street Lubbock, TX 79414 USA

## **Reporting Limit Appendix**

#### Heavy Metals - Colorado CDPHE

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

#### **Microbials** -

Analyte	Limit (CFU/ g) Analyte	Limit (CFU/ g)
Total coliforms	100 Total aerobic count	100000

#### Residual Solvents - USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Acetone	5000	Ethylene Glycol	620
Acetonitrile	410	Ethylene Oxide	1
Benzene	2	Heptane	5000
Butane	5000	n-Hexane	290
1-Butanol	5000	Isobutane	5000
2-Butanol	5000	Isopropyl Acetate	5000
2-Butanone	5000	Isopropyl Alcohol	5000
Chloroform	60	Isopropylbenzene	5000
Cyclohexane	3880	Methanol	3000
1,2-Dichloroethane	5	2-Methylbutane	290
1,2-Dimethoxyethane	100	Methylene Chloride	600
Dimethyl Sulfoxide	5000	2-Methylpentane	290
N,N-Dimethylacetamide	1090	3-Methylpentane	290
2,2-Dimethylbutane	290	n-Pentane	5000
2,3-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

#### Pesticides - CA DCC

Analyte	Limit (ppb) Analyte	Limit (ppb)
Acephate	5000 Hexythiazox	2000
Acetamiprid	5000 Imazalil	30

Analyte	L	imit (ppb)	Analyte		Limit (ppb)
Aldicarb		30	Imidacloprid		3000
Azoxystrobin		40000	Kresoxim methyl		1000
Bifenazate		5000	Malathion		5000
Boscalid		10000	Metalaxyl		15000
Carbaryl		500	Methiocarb		30
Carbofuran		30	Methomyl		100
Chloranthranilipro	le	40000	Mevinphos		30
Chlorfenapyr		30	Myclobutanil		9000
Chlorpyrifos		30	Naled		500
Clofentezine		500	Oxamyl		200
Coumaphos		30	Paclobutrazol		30
Daminozide		30	Permethrin		20000
Diazinon		200	Phosmet		200
Dichlorvos		30	Piperonyl Butoxide	e	8000
Dimethoate		30	Prallethrin		400
Dimethomorph		20000	Propiconazole		20000
Ethoprophos		30	Propoxur		30
Etoxazole		1500	Pyrethrins		1000
Fenhexamid		10000	Pyridaben		3000
Fenoxycarb		30	Spinetoram		3000
Fenpyroximate		2000	Spinosad		3000
Fipronil		30	Spiromesifen		12000
Flonicamid		2000	Spirotetramat		13000
Fludioxonil		30000	Spiroxamine		30

#### Mycotoxins - Colorado CDPHE

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

