EA Sample ID: 23EA0601-003 Sample Name: 1g Cartridge - Watermelon Zkit - HHC Sample Type: Concentrate Batch/Lot: WZ374 Reference #:

Date Received: 06/01/2023 Date Completed: 06/05/2023



# **CERTIFICATE OF ANALYSIS**

#### **Summary of Results**

Analysis Type	SOP	Date Tested	<u>Status</u>
Cannabinoids	EA-SOP-POTENCY	06/05/2023	Complete



Unit Size (g): 1

### POTENCY CANNABINOID PROFILE

 Total THC
 Total CBD

 THCA \* 0.877 + D9-THC
 CBDA \* 0.877 + CBD

 ND
 ND

 Analyte
 Result (mg/g)
 mg/unit
 W/w%
 LOQ (ppm)
 LOD (ppm)

CANNABIDIVARIN (CBDV)	ND	ND	ND	100	30
CANNABICHROMENE (CBC)	ND	ND	ND	100	30
CANNABIGEROL (CBG)	ND	ND	ND	100	30
CANNABINOL (CBN)	2.90	2.90	0.29	100	30
CANNABIDIOL (CBD)	ND	ND	ND	100	30
CANNABIDIOLIC ACID (CBDA)	ND	ND	ND	100	30
Δ9-TETRAHYDROCANNABINOLIC ACID (THCA)	ND	ND	ND	100	30
Δ9-TETRAHYDROCANNABINOL (D9-THC)	ND	ND	ND	100	30
Δ8-TETRAHYDROCANNABINOL (D8-THC)	ND	ND	ND	100	30
9R-HEXAHYDROCANNABINOL (9R-HHC)	295.61	295.61	29.56	100	30
9S-HEXAHYDROCANNABINOL (9S-HHC)	551.03	551.03	55.10	100	30

NOTES:

ND = NOT DETECTED; LOD = LIMIT OF DETECTION; LOQ = LIMIT OF QUANTIFICATION

The cannabinoid potency reported above was analyzed via High Performance Liquid Chromatography (HPLC) using Variable Wavelength Detection (VWD).



Noel Samsum Laboratory Director 5-Jun-2023

Date Received: 05/11/2023 Date Completed: 05/15/2023



# **CERTIFICATE OF ANALYSIS**

### **Heavy Metal Analysis**

Analyte	<u>Result (ppm)</u>	LOQ (ppm)	LOD (ppm)	<u>Limit (ppm)</u>	Pass/Fail
Arsenic	<lod< th=""><th>0.010</th><th>0.005</th><th>1.5</th><th>Pass</th></lod<>	0.010	0.005	1.5	Pass
Cadmium	<lod< th=""><th>0.010</th><th>0.005</th><th>0.5</th><th>Pass</th></lod<>	0.010	0.005	0.5	Pass
Lead	<lod< th=""><th>0.010</th><th>0.005</th><th>0.5</th><th>Pass</th></lod<>	0.010	0.005	0.5	Pass
Mercury	<lod< th=""><th>0.010</th><th>0.005</th><th>3.0</th><th>Pass</th></lod<>	0.010	0.005	3.0	Pass

### **Microbiological Analysis**

Negative/1g		
0 , 0	Negative/1g	Pass
Negative/1g	Negative/1g	Pass
Not Detected	-	Pass
	Negative/1g Negative/1g Negative/1g Negative/1g	Negative/1gNegative/1gNegative/1gNegative/1gNegative/1gNegative/1gNegative/1gNegative/1g

NOTES:

CFU = Colony Forming Unit NS = Not Specified NT = Not Tested

LOQ = Limit of Quantification LOD = Limit of Detection



Ethos Analytics Laboratory 3020 E Camelback Rd STE 397 Phoenix, AZ 85016 Info@Ethosanalytics.io www.Ethosanalytics.io Lic #: 000026LRCND60176649 ISO/IEC 17025 Acc #: 117798

Noel Samsum Laboratory Director 15-May-2023

Date Received: 05/11/2023 Date Completed: 05/15/2023



# **CERTIFICATE OF ANALYSIS**

#### **Mycotoxins**

Analyte	<u>Result (ppb)</u>	LOD (ppb)	LOQ (ppb)	<u>Limit (ppb)</u>	Pass/Fail
Aflatoxin B1	<lod< th=""><th>3.0</th><th>9.0</th><th>-</th><th>-</th></lod<>	3.0	9.0	-	-
Aflatoxin B2	<lod< th=""><th>2.0</th><th>9.0</th><th>-</th><th>-</th></lod<>	2.0	9.0	-	-
Aflatoxin G1	<lod< th=""><th>3.0</th><th>9.0</th><th>-</th><th>-</th></lod<>	3.0	9.0	-	-
Aflatoxin G2	<lod< th=""><th>2.0</th><th>6.0</th><th>-</th><th>-</th></lod<>	2.0	6.0	-	-
Ochratoxin A	<lod< th=""><th>4.0</th><th>12.0</th><th>20</th><th>Pass</th></lod<>	4.0	12.0	20	Pass
Total Aflatoxins	<lod< th=""><th></th><th></th><th>20</th><th>Pass</th></lod<>			20	Pass

### **Residual Solvent Analysis**

1,2-Dichloro-Ethane <lod< td="">       0.10       0.30       1         Benzene       <lod< td="">       0.03       0.10       1         Chloroform       <lod< td="">       0.03       0.10       1         Ethylene Oxide       <lod< td="">       0.20       0.60       1         Methylene-Chloride       <lod< td="">       0.10       0.80       1         Trichloroethene       <lod< td="">       0.03       0.20       1         Acetone       <lod< td="">       1       60       5000         Acetonitrile       <lod< td="">       1       5       410         Butane       <lod< td="">       1       5       5000         Ethyl-Acetate       <lod< td="">       1       5       5000         Ethyl-Ether       <lod< td="">       1       5       5000</lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<>	Pass Pass Pass Pass Pass Pass Pass
Chloroform <lod< th="">         0.03         0.10         1           Ethylene Oxide         <lod< td="">         0.20         0.60         1           Methylene-Chloride         <lod< td="">         0.10         0.80         1           Trichloroethene         <lod< td="">         0.03         0.20         1           Acetone         <lod< td="">         0.03         0.20         1           Acetone         <lod< td="">         1         60         5000           Acetonitrile         <lod< td="">         1         5         410           Butane         <lod< td="">         1         5         5000           Ethyl-Acetate         <lod< td="">         3         10         5000           Ethyl-Ether         <lod< td="">         1         5         5000           Heptane         <lod< td="">         1         5         5000</lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<>	Pass Pass Pass Pass
Ethylene Oxide <lod< th="">         0.20         0.60         1           Methylene-Chloride         <lod< td="">         0.10         0.80         1           Trichloroethene         <lod< td="">         0.03         0.20         1           Acetone         <lod< td="">         1         60         5000           Acetonitrile         <lod< td="">         1         5         410           Butane         <lod< td="">         1         5         5000           Ethyl-Acetate         <lod< td="">         1         5         5000           Ethyl-Ether         <lod< td="">         1         5         5000           Heptane         <lod< td="">         1         5         5000           Heptane         <lod< td="">         1         5         5000</lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<>	Pass Pass Pass
Methylene-Chloride         <100         0.10         0.80         1           Trichloroethene         <100         0.03         0.20         1           Acetone         <100         1         60         5000           Acetonitrile         <100         1         5         410           Butane         <100         1         5         5000           Ethanol         <100         1         5         5000           Ethyl-Acetate         <100         1         5         5000           Ethyl-Ether         <100         1         5         5000           Heptane         <100         1         5         5000           N-Hexane         <100         1         5         290	Pass Pass
Trichloroethene <lod< th="">         0.03         0.20         1           Acetone         <lod< th="">         1         60         5000           Acetonitrile         <lod< th="">         1         5         410           Butane         <lod< th="">         1         5         5000           Ethanol         <lod< th="">         1         5         5000           Ethyl-Acetate         <lod< th="">         1         5         5000           Ethyl-Ether         <lod< th="">         1         5         5000           Heptane         <lod< th="">         1         5         5000           n-Hexane         <lod< th="">         1         5         290</lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<>	Pass
Acetone <lod< td="">       1       60       5000         Acetonitrile       <lod< td="">       1       5       410         Butane       <lod< td="">       1       5       5000         Ethanol       <lod< td="">       3       10       5000         Ethyl-Acetate       <lod< td="">       1       5       5000         Ethyl-Ether       <lod< td="">       1       5       5000         Heptane       <lod< td="">       1       5       5000         n-Hexane       <lod< td="">       1       5       290</lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<>	
Acetonitrile <lod< td="">       1       5       410         Butane       <lod< td="">       1       5       5000         Ethanol       <lod< td="">       3       10       5000         Ethyl-Acetate       <lod< td="">       3       10       5000         Ethyl-Ether       <lod< td="">       1       5       5000         Heptane       <lod< td="">       1       5       5000         n-Hexane       <lod< td="">       1       5       290</lod<></lod<></lod<></lod<></lod<></lod<></lod<>	Pass
Butane <lod< th="">         1         5         5000           Ethanol         <lod< th="">         3         10         5000           Ethyl-Acetate         <lod< th="">         1         5         5000           Ethyl-Ether         <lod< th="">         1         5         5000           Heptane         <lod< th="">         1         5         5000           n-Hexane         <lod< th="">         1         5         290</lod<></lod<></lod<></lod<></lod<></lod<>	1 455
Ethanol         <         I         5000           Ethyl-Acetate <lod< td="">         3         10         5000           Ethyl-Acetate         <lod< td="">         1         5         5000           Ethyl-Ether         <lod< td="">         1         5         5000           Heptane         <lod< td="">         1         5         5000           n-Hexane         <lod< td="">         1         5         290</lod<></lod<></lod<></lod<></lod<>	Pass
Ethyl-Acetate         <         LOD         1         5         5000           Ethyl-Ether         <         LOD         1         5         5000           Heptane         <         LOD         1         5         5000           n-Hexane         <         LOD         1         5         290	Pass
Ethyl-Ether <lod< th="">         1         5         5000           Heptane         <lod< th="">         1         5         5000           n-Hexane         <lod< th="">         1         5         290</lod<></lod<></lod<>	Pass
Heptane <lod< th="">         1         5         5000           n-Hexane         <lod< td="">         1         5         290</lod<></lod<>	Pass
n-Hexane <lod 1="" 290<="" 5="" td=""><td>Pass</td></lod>	Pass
	Pass
· · ·	Pass
Isopropanol <lod 1="" 5="" 5000<="" td=""><td>Pass</td></lod>	Pass
Methanol <lod 1="" 3000<="" 5="" td=""><td>Pass</td></lod>	Pass
Pentane <lod 2="" 5="" 5000<="" td=""><td>Pass</td></lod>	Pass
<b>Propane</b> <lod 10="" 5="" 5000<="" td=""><td>Pass</td></lod>	Pass
<b>Toluene</b> <lod 1="" 5="" 890<="" td=""><td>-</td></lod>	-
Xylenes <lod 1="" 2170<="" 5="" td=""><td>Pass</td></lod>	Pass



Noel Samsum Laboratory Director 15-May-2023

Date Received: 05/11/2023 Date Completed: 05/15/2023



## **CERTIFICATE OF ANALYSIS**

### **Category 1 Pesticide Analysis**

Analyte	<u>Result (ppm)</u>	LOD (ppm)	LOQ (ppm)	Pass/Fail
Aldicarb	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Carbofuran	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Chlordane	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Chlorfenapyr	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Chlorpyrifos	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Coumaphos	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Daminozide	<lod< td=""><td>0.030</td><td>0.080</td><td>Pass</td></lod<>	0.030	0.080	Pass
Dichlorvos	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Dimethoate	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Ethoprophos	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Etofenprox	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Fenoxycarb	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Fipronil	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Imazalil	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Methiocarb	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Mevinphos	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Paclobutrazol	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Parathion Methyl	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Propoxur	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Spiroxamine	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Thiacloprid	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass



Noel Samsum Laboratory Director 15-May-2023

Date Received: 05/11/2023 Date Completed: 05/15/2023



# **CERTIFICATE OF ANALYSIS**

#### **Category 2 Pesticide Analysis**

<u>Analyte</u>	<u>Result (ppm)</u>	LOD (ppm)	LOQ (ppm)	<u>Limit (ppm)</u>	Pass/Fail
Abamectin	<lod< td=""><td>0.010</td><td>0.050</td><td>0.3</td><td>Pass</td></lod<>	0.010	0.050	0.3	Pass
Acephate	<lod< td=""><td>0.020</td><td>0.050</td><td>5</td><td>Pass</td></lod<>	0.020	0.050	5	Pass
Acequinocyl	<lod< td=""><td>0.020</td><td>0.075</td><td>4</td><td>Pass</td></lod<>	0.020	0.075	4	Pass
Acetamiprid	<lod< td=""><td>0.020</td><td>0.050</td><td>5</td><td>Pass</td></lod<>	0.020	0.050	5	Pass
Azoxystrobin	<lod< td=""><td>0.010</td><td>0.050</td><td>40</td><td>Pass</td></lod<>	0.010	0.050	40	Pass
Bifenazate	<lod< td=""><td>0.020</td><td>0.050</td><td>5</td><td>Pass</td></lod<>	0.020	0.050	5	Pass
Bifenthrin	<lod< td=""><td>0.020</td><td>0.050</td><td>0.5</td><td>Pass</td></lod<>	0.020	0.050	0.5	Pass
Boscalid	<lod< td=""><td>0.020</td><td>0.075</td><td>10</td><td>Pass</td></lod<>	0.020	0.075	10	Pass
Captan	<lod< td=""><td>0.150</td><td>0.400</td><td>5</td><td>Pass</td></lod<>	0.150	0.400	5	Pass
Carbaryl	<lod< td=""><td>0.020</td><td>0.050</td><td>0.5</td><td>Pass</td></lod<>	0.020	0.050	0.5	Pass
Chlorantraniliprole	<lod< td=""><td>0.025</td><td>0.075</td><td>40</td><td>Pass</td></lod<>	0.025	0.075	40	Pass
Clofentezine	<lod< td=""><td>0.020</td><td>0.050</td><td>0.5</td><td>Pass</td></lod<>	0.020	0.050	0.5	Pass
Cyfluthrin	<lod< td=""><td>0.020</td><td>0.075</td><td>1</td><td>Pass</td></lod<>	0.020	0.075	1	Pass
Cypermethrin	<lod< td=""><td>0.020</td><td>0.050</td><td>1</td><td>Pass</td></lod<>	0.020	0.050	1	Pass
Diazinon	<lod< td=""><td>0.010</td><td>0.050</td><td>0.2</td><td>Pass</td></lod<>	0.010	0.050	0.2	Pass
Dimethomorph	<lod< td=""><td>0.020</td><td>0.050</td><td>20</td><td>Pass</td></lod<>	0.020	0.050	20	Pass
Etoxazole	<lod< td=""><td>0.010</td><td>0.050</td><td>1.5</td><td>Pass</td></lod<>	0.010	0.050	1.5	Pass
Fenhexamid	<lod< td=""><td>0.020</td><td>0.050</td><td>10</td><td>Pass</td></lod<>	0.020	0.050	10	Pass
Fenpyroximate	<lod< td=""><td>0.010</td><td>0.050</td><td>2</td><td>Pass</td></lod<>	0.010	0.050	2	Pass
Flonicamid	<lod< td=""><td>0.030</td><td>0.090</td><td>2</td><td>Pass</td></lod<>	0.030	0.090	2	Pass
Iudioxonil	<lod< td=""><td>0.020</td><td>0.050</td><td>30</td><td>Pass</td></lod<>	0.020	0.050	30	Pass
lexythiazox	<lod< td=""><td>0.030</td><td>0.090</td><td>2</td><td>Pass</td></lod<>	0.030	0.090	2	Pass
midacloprid	<lod< td=""><td>0.030</td><td>0.075</td><td>3</td><td>Pass</td></lod<>	0.030	0.075	3	Pass



Noel Samsum Laboratory Director 15-May-2023

Date Received: 05/11/2023 Date Completed: 05/15/2023



# **CERTIFICATE OF ANALYSIS**

#### **Category 2 Pesticide Analysis Continued**

Analyte	<u>Result (ppm)</u>	LOD (ppm)	LOQ (ppm)	<u>Limit (ppm)</u>	Pass/Fail
Kresoxim Methyl	<lod< td=""><td>0.020</td><td>0.050</td><td>1</td><td>Pass</td></lod<>	0.020	0.050	1	Pass
Malathion	<lod< td=""><td>0.020</td><td>0.050</td><td>5</td><td>Pass</td></lod<>	0.020	0.050	5	Pass
Metalaxyl	<lod< td=""><td>0.010</td><td>0.050</td><td>15</td><td>Pass</td></lod<>	0.010	0.050	15	Pass
Methomyl	<lod< td=""><td>0.020</td><td>0.050</td><td>0.1</td><td>Pass</td></lod<>	0.020	0.050	0.1	Pass
Myclobutanil	<lod< td=""><td>0.020</td><td>0.075</td><td>9</td><td>Pass</td></lod<>	0.020	0.075	9	Pass
Naled	<lod< td=""><td>0.020</td><td>0.075</td><td>0.5</td><td>Pass</td></lod<>	0.020	0.075	0.5	Pass
Oxamyl	<lod< td=""><td>0.020</td><td>0.050</td><td>0.3</td><td>Pass</td></lod<>	0.020	0.050	0.3	Pass
Pentachloronitrobenzene	<lod< td=""><td>0.020</td><td>0.075</td><td>0.2</td><td>Pass</td></lod<>	0.020	0.075	0.2	Pass
Permethrin	<lod< td=""><td>0.010</td><td>0.050</td><td>20</td><td>Pass</td></lod<>	0.010	0.050	20	Pass
Phosmet	<lod< td=""><td>0.020</td><td>0.050</td><td>0.2</td><td>Pass</td></lod<>	0.020	0.050	0.2	Pass
Piperonyl Butoxide	<lod< td=""><td>0.010</td><td>0.050</td><td>8</td><td>Pass</td></lod<>	0.010	0.050	8	Pass
Prallethrin	<lod< td=""><td>0.025</td><td>0.075</td><td>0.4</td><td>Pass</td></lod<>	0.025	0.075	0.4	Pass
Propiconazole	<lod< td=""><td>0.020</td><td>0.075</td><td>20</td><td>Pass</td></lod<>	0.020	0.075	20	Pass
Pyrethrins	<lod< td=""><td>0.010</td><td>0.050</td><td>1</td><td>Pass</td></lod<>	0.010	0.050	1	Pass
Pyridaben	<lod< td=""><td>0.020</td><td>0.050</td><td>3</td><td>Pass</td></lod<>	0.020	0.050	3	Pass
Spinetoram	<lod< td=""><td>0.010</td><td>0.050</td><td>3</td><td>Pass</td></lod<>	0.010	0.050	3	Pass
Spinosad	<lod< td=""><td>0.010</td><td>0.050</td><td>3</td><td>Pass</td></lod<>	0.010	0.050	3	Pass
Spiromesifen	<lod< td=""><td>0.020</td><td>0.050</td><td>12</td><td>Pass</td></lod<>	0.020	0.050	12	Pass
Spirotetramat	<lod< td=""><td>0.020</td><td>0.050</td><td>13</td><td>Pass</td></lod<>	0.020	0.050	13	Pass
Tebuconazole	<lod< td=""><td>0.020</td><td>0.050</td><td>2</td><td>Pass</td></lod<>	0.020	0.050	2	Pass
Thiamethoxam	<lod< td=""><td>0.020</td><td>0.075</td><td>4.5</td><td>Pass</td></lod<>	0.020	0.075	4.5	Pass
Trifloxystrobin	<lod< td=""><td>0.010</td><td>0.050</td><td>30</td><td>Pass</td></lod<>	0.010	0.050	30	Pass



Noel Samsum Laboratory Director 15-May-2023