

19240J10

Sample Type: Topicals
 Sample Date: 9/3/2019
 Analysis Date: 9/4/2019
 Report Date: 9/9/2019

Metric Batch ID:
 Metric Sample ID:

Harvest/Process Date:
 Report ID:
LS-190909-35

Potency

Potency Analysis Date: 9/5/2019
 Potency Batch ID: CAN_090519C
 Potency Method: JAOAC 2015.1

<LOQ Total THC
4.87 mg/g Total CBD

Samples: CMH-TXW-HJM

Analyte	Description	LOQ	RPD (%)	Min.	Max.	Conc.	Unit: mg/g
Δ9THC	Delta-9 Tetrahydrocannabinol	0.40	-	-	-	<LOQ	
THCA	Tetrahydrocannabinolic acid	0.40	-	-	-	ND	
CBD	Cannabidiol	0.40	-	-	-	1.94	
CBDA	Cannabidiolic acid	0.40	-	-	-	3.34	
Δ8THC	Delta-8 Tetrahydrocannabinol*	0.40	-	-	-	ND	
THCV	Tetrahydrocannabivarin*	0.40	-	-	-	ND	
CBG	Cannabigerol*	0.40	-	-	-	<LOQ	
CBGA	Cannabigerolic acid*	0.40	-	-	-	ND	
CBC	Cannabichromene*	0.40	-	-	-	<LOQ	
CBCA	Cannabichromenic acid*	0.40	-	-	-	<LOQ	
CBN	Cannabinol	0.40	-	-	-	ND	
Total THC	Δ9THC + (THCA × 0.877)		-	-	-	<LOQ	
Total CBD	CBD + (CBDA × 0.877)		-	-	-	4.87	
Total			-	-	-	5.28	

Compliance

Pesticides Within limits Analysis Date: 9/4/2019 Pass 


 Aaron Troyer
 Chief Science Officer

This data cannot be used for OLCC or OHA compliance for usable marijuana or marijuana products and is provided for Research and Development purposes only.



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Pesticides Sample Data

Pesticides Analysis Date: 9/4/2019
 Pesticides Batch ID: PST_090419A

Method: EN 15662
 Unit: µg/g (ppm)

Pass 

Analyte	CMH-TXW-HJM	Limits	LOQ	Notes	Status	Analyte	CMH-TXW-HJM	Limits	LOQ	Notes	Status
Abamectin	<LOQ	0.5	0.1	-	Pass	Metalaxyl	<LOQ	0.2	0.1	-	Pass
Acephate	<LOQ	0.4	0.1	-	Pass	Methiocarb	<LOQ	0.2	0.1	-	Pass
Acequinocyl	<LOQ	2.0	1.5	-	Pass	Methomyl	<LOQ	0.4	0.1	-	Pass
Acetamiprid	<LOQ	0.2	0.1	-	Pass	Methyl Parathion	<LOQ	0.2	0.2	-	Pass
Aldicarb	<LOQ	0.4	0.1	-	Pass	MGK-264	<LOQ	0.2	0.2	-	Pass
Azoxystrobin	<LOQ	0.2	0.1	-	Pass	Myclobutanil	<LOQ	0.2	0.1	-	Pass
Bifenazate	<LOQ	0.2	0.1	-	Pass	Naled	<LOQ	0.5	0.2	-	Pass
Bifenthrin	<LOQ	0.2	0.1	-	Pass	Oxamyl	<LOQ	1.0	0.1	-	Pass
Boscalid	<LOQ	0.4	0.1	-	Pass	Paclobutrazol	<LOQ	0.4	0.1	-	Pass
Carbaryl	<LOQ	0.2	0.1	-	Pass	Permethrins	<LOQ	0.2	0.1	-	Pass
Carbofuran	<LOQ	0.2	0.1	-	Pass	Phosmet	<LOQ	0.2	0.1	-	Pass
Chlorantraniliprole	<LOQ	0.2	0.1	-	Pass	Piperonyl Butoxide	1.30	2.0	0.1	-	Pass
Chlorfenapyr	<LOQ	1.0	0.1	-	Pass	Prallethrin	<LOQ	0.2	0.1	-	Pass
Chlorpyrifos	<LOQ	0.2	0.1	-	Pass	Propiconazole	<LOQ	0.4	0.1	-	Pass
Clofentezine	<LOQ	0.2	0.1	-	Pass	Propoxur	<LOQ	0.2	0.1	-	Pass
Cyfluthrin	<LOQ	1.0	0.5	-	Pass	Pyrethrins	<LOQ	1.0	0.5	-	Pass
Cypermethrin	<LOQ	1.0	0.1	-	Pass	Pyridaben	<LOQ	0.2	0.1	-	Pass
Daminozide	<LOQ	1.0	0.5	-	Pass	Spinosad	<LOQ	0.2	0.1	-	Pass
Diazinon	<LOQ	0.2	0.1	-	Pass	Spiromesifen	<LOQ	0.2	0.1	-	Pass
Dichlorvos (DDVP)	<LOQ	1.0	0.5	-	Pass	Spirotetramat	<LOQ	0.2	0.1	-	Pass
Dimethoate	<LOQ	0.2	0.1	-	Pass	Spiroxamine	<LOQ	0.4	0.1	-	Pass
Ethoprophos	<LOQ	0.2	0.1	-	Pass	Tebuconazole	<LOQ	0.4	0.1	-	Pass
Etofenprox	<LOQ	0.4	0.1	-	Pass	Thiacloprid	<LOQ	0.2	0.1	-	Pass
Etoxazole	<LOQ	0.2	0.1	-	Pass	Thiamethoxam	<LOQ	0.2	0.1	-	Pass
Fenoxycarb	<LOQ	0.2	0.1	-	Pass	Trifloxystrobin	<LOQ	0.2	0.1	-	Pass
Fenpyroximate	<LOQ	0.4	0.1	-	Pass						
Fipronil	<LOQ	0.4	0.1	-	Pass						
Flonicamid	<LOQ	1.0	0.1	-	Pass						
Fludioxonil	<LOQ	0.4	0.1	-	Pass						
Hexythiazox	<LOQ	1.0	0.1	-	Pass						
Imazalil	<LOQ	0.2	0.1	-	Pass						
Imidacloprid	<LOQ	0.4	0.1	-	Pass						
Kresoxim-methyl	<LOQ	0.4	0.1	-	Pass						
Malathion	<LOQ	0.2	0.1	-	Pass						

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Pesticides Quality Control Data

Pesticides QC Analysis Date: 9/4/2019
 Pesticides QC Batch ID: PST_090419A
 Method: EN 15662
 Unit: µg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes	Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Abamectin	ND	0.1	0.858	1.00	85.8	50 - 150		Metalaxyl	ND	0.1	1.01	1.00	101	50 - 150	
Acephate	ND	0.1	0.756	1.00	75.6	50 - 150		Methiocarb	ND	0.1	1.16	1.00	116	50 - 150	
Acequinocyl	ND	1.5	1.41	1.00	141	50 - 150		Methomyl	ND	0.1	1.53	1.00	153	50 - 150	ME
Acetamiprid	ND	0.1	0.908	1.00	90.8	50 - 150		Methyl Parathion	ND	0.2	0.404	1.00	40.4	30 - 150	
Aldicarb	ND	0.1	1.16	1.00	116	50 - 150		MGK-264	ND	0.2	1.01	0.600	169	50 - 150	HB
Azoxystrobin	ND	0.1	1.04	1.00	104	50 - 150		Myclobutanil	ND	0.1	0.916	1.00	91.6	50 - 150	
Bifenazate	ND	0.1	0.641	1.00	64.1	50 - 150		Naled	ND	0.2	0.873	1.00	87.3	50 - 150	
Bifenthrin	ND	0.1	1.06	1.00	106	50 - 150		Oxamyl	ND	0.1	0.915	1.00	91.5	50 - 150	
Boscalid	ND	0.1	1.10	1.00	110	50 - 150		Paclobutrazol	ND	0.1	0.756	1.00	75.6	50 - 150	
Carbaryl	ND	0.1	1.29	1.00	129	50 - 150		Permethrins	ND	0.1	1.09	1.00	109	50 - 150	
Carbofuran	ND	0.1	0.953	1.00	95.3	50 - 150		Phosmet	ND	0.1	1.07	1.00	107	50 - 150	
Chlorantraniliprole	ND	0.1	0.897	1.00	89.7	50 - 150		Piperonyl Butoxide	ND	0.1	1.42	1.00	142	50 - 150	
Chlorfenapyr	ND	0.1	1.00	1.00	100	50 - 150		Prallethrin	ND	0.1	0.987	1.00	98.7	50 - 150	
Chlorpyrifos	ND	0.1	0.966	1.00	96.6	50 - 150		Propiconazole	ND	0.1	0.923	1.00	92.3	50 - 150	
Clofentezine	ND	0.1	0.888	1.00	88.8	50 - 150		Propoxur	ND	0.1	1.18	1.00	118	50 - 150	
Cyfluthrin	ND	0.5	0.747	1.00	74.7	50 - 150		Pyrethrins	ND	0.5	1.11	1.00	111	50 - 150	
Cypermethrin	ND	0.1	0.972	1.00	97.2	50 - 150		Pyridaben	ND	0.1	1.06	1.00	106	50 - 150	
Daminozide	ND	0.5	0.118	1.00	11.8	10 - 150		Spinosad	ND	0.1	0.823	1.00	82.3	50 - 150	
Diazinon	ND	0.1	0.971	1.00	97.1	50 - 150		Spiromesifen	ND	0.1	0.931	1.00	93.1	50 - 150	
Dichlorvos (DDVP)	ND	0.5	1.74	1.00	74	50 - 150		Spirotetramat	ND	0.1	0.963	1.00	96.3	50 - 150	
Dimethoate	ND	0.1	0.977	1.00	97.7	50 - 150		Spiroxamine	ND	0.1	0.758	1.00	75.8	50 - 150	
Ethoprophos	ND	0.1	1.13	1.00	113	50 - 150		Tebuconazole	ND	0.1	0.928	1.00	92.8	50 - 150	
Etofenprox	ND	0.1	0.916	1.00	91.6	50 - 150		Thiacloprid	ND	0.1	0.848	1.00	84.8	50 - 150	
Etoxazole	ND	0.1	0.958	1.00	95.8	50 - 150		Thiamethoxam	ND	0.1	0.869	1.00	86.9	50 - 150	
Fenoxycarb	ND	0.1	0.889	1.00	88.9	50 - 150		Trifloxystrobin	ND	0.1	0.944	1.00	94.4	50 - 150	
Fenpyroximate	ND	0.1	1.32	1.00	132	50 - 150									
Fipronil	ND	0.1	1.02	1.00	102	50 - 150									
Flonicamid	ND	0.1	1.06	1.00	106	50 - 150									
Fludioxonil	ND	0.1	0.989	1.00	98.9	50 - 150									
Hexythiazox	ND	0.1	0.868	1.00	86.8	50 - 150									
Imazalil	ND	0.1	0.845	1.00	84.5	50 - 150									
Imidacloprid	ND	0.1	0.711	1.00	71.1	50 - 150									
Kresoxim-methyl	ND	0.1	0.995	1.00	99.5	50 - 150									
Malathion	ND	0.1	1.01	1.00	101	50 - 150									

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Qualifier Flag Descriptions

J	Reported result is an estimate - the value is less than the minimum calibration level but greater than the estimated detection limit (EDL)
U	The analyte was not detected in the sample at the estimated detection limit (EDL)
E	Exceeds calibration range
D	Dilution data - result was obtained from the analysis of a dilution
B	Analyte found in sample and associated blank
C	Co-eluting compound
R	Relative Percent Difference (RPD) outside control limits
NR	Analyte not reported because of problems in sample preparation or analysis
ND	Non-Detect
X	Results from reinjection/repeat/re-column data
EMC	Estimated maximum possible concentration - indicates that a peak is detected but did not meet the method required criteria
M	Manual integration
PS	Peaks split
HB	Control acceptance criteria are exceeded high and the associated sample is below the detection limit
LB	Control acceptance criteria are exceeded low and the associated sample exceeds the regulatory limit
ME	Marginal Exceedance
LR	Low Recovery Analyte
LOQ	Limit of Quantitation