



Anova Laboratory, LLC
 1685 Tucker Road
 Hood River, OR 97031
 541.387.4020 (office)
 866.293.1337 (fax)

Certificate of Analysis

White Tygh Farms
 83970 Fred Ashley Road
 Tygh Valley, OR 97063
 Cole Fritcher
 Lic Num: 020-10002694AE6

Strain: Brooklyn Mango Mix
 Matrix: Flower
 CTS Batch #: 1A401030000300D000000611
 Lot Number: Brooklyn Mango Mix 2/5/19
 Lot Size (lb): 12.59
 Client CTS Sample ID: WTF_2062
 Collected: 2/27/2019 11:34
 Received: 2/27/2019 11:54
 Anova Sample ID: 006190580101

Analysis Performed	Date Analyzed	Result	fn	Reporting Units	Reporting Criterion	Pass/Fail
Giese 2015						
Cannabidiol (CBD) by HPLC	3/4/2019	< 0.02		% Mass	n/a	n/a
Cannabidiolic acid (CBDA) by HPLC	3/4/2019	0.11		% Mass	n/a	n/a
Cannabinol (CBN) by HPLC	3/4/2019	< 0.02		% Mass	n/a	n/a
delta-9-Tetrahydrocannabinol (d9-THC) by HPLC	3/4/2019	0.26 J	1	% Mass	n/a	n/a
delta-9-Tetrahydrocannabinolic acid (d9-THCA) by HPLC	3/4/2019	32.3		% Mass	n/a	n/a
Total CBD (Calculated)	3/4/2019	0.10		% Mass	n/a	n/a
Total THC (Calculated)	3/4/2019	28.6		% Mass	n/a	n/a
FET_HSGC						
Terpene Profile	3/6/2019	see attached		mg/g	n/a	n/a
AOAC Method 934.01						
Moisture (Loss on Drying)	3/4/2019	10.65		% Mass	15 max	Pass
AOAC Method 978.18						
Water Activity	3/4/2019	0.35		aW	0.65 max	Pass
AOAC 2007.01 and EN 15662: LC-MS/MS						
Abamectin (CAS# 71751-41-2)	3/4/2019	< 0.10		ppm (ug/g)	0.5 max	Pass
Acephate (CAS# 30560-19-1)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Acequinocyl (CAS# 57960-19-7)	3/4/2019	< 0.20		ppm (ug/g)	2 max	Pass
Acetamiprid (CAS# 135410-20-7)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Aldicarb (CAS# 116-06-3)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Azoxystrobin (CAS# 131860-33-8)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Bifenazate (CAS# 149877-41-8)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Boscalid (CAS# 188425-85-6)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Carbaryl (CAS# 63-25-2)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass

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Carbofuran (CAS# 1563-66-2)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Chlorantraniliprole (CAS# 500008-45-7)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Chlorpyrifos (CAS# 2921-88-2)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Clofentezine (CAS# 74115-24-5)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Cyfluthrin (CAS# 68359-37-5)	3/4/2019	< 0.20		ppm (ug/g)	1 max	Pass
Cypermethrin (CAS# 52315-07-8)	3/4/2019	< 0.10		ppm (ug/g)	1 max	Pass
Daminozide (CAS# 1596-84-5)	3/4/2019	< 0.10		ppm (ug/g)	1 max	Pass
DDVP (Dichlorvos) (CAS# 62-73-7)	3/4/2019	< 0.05		ppm (ug/g)	1 max	Pass
Diazinon (CAS# 333-41-5)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Dimethoate (CAS# 60-51-5)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Ethoprophos (CAS# 13194-48-4)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Etofenprox (CAS# 80844-07-1)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Etoxazole (CAS# 153233-91-1)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Fenoxycarb (CAS# 72490-01-8)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Fenpyroximate (CAS# 134098-61-6)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Flonicamid (CAS# 158062-67-0)	3/4/2019	< 0.05		ppm (ug/g)	1 max	Pass
Fludioxonil (CAS# 131341-86-1)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Hexythiazox (CAS# 78587-05-0)	3/4/2019	< 0.05		ppm (ug/g)	1 max	Pass
Imazalil (CAS# 35554-44-0)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Imidacloprid (CAS# 138261-41-3)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Kresoxim-methyl (CAS# 143390-89-0)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Malathion (CAS# 121-75-5)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Metalaxyl (CAS# 57837-19-1)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Methiocarb (CAS# 2032-65-7)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Methomyl (CAS# 16752-77-5)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass

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MGK-264 (CAS#113-48-4)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Myclobutanil (CAS# 88671-89-0)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Naled (CAS# 300-76-5)	3/4/2019	< 0.20		ppm (ug/g)	0.5 max	Pass
Oxamyl (CAS# 23135-22-0)	3/4/2019	< 0.05		ppm (ug/g)	1 max	Pass
Paclotrazol (CAS# 76738-62-0)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Permethrins (CAS# 52645-53-1)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Phosmet (CAS#732-11-6)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Piperonyl butoxide (CAS# 51-03-6)	3/4/2019	< 0.05		ppm (ug/g)	2 max	Pass
Prallethrin (CAS# 23031-36-9)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Propiconazole (CAS# 60207-90-1)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Propoxur (CAS# 114-26-1)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Pyrethrins (CAS# 8003-34-7)	3/4/2019	< 0.10		ppm (ug/g)	1 max	Pass
Pyridaben (CAS# 96489-71-3)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Spinosad (Spinosyn A & D) (CAS# 168316-95-8)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Spiromesifen (CAS# 283594-90-1)	3/4/2019	< 0.10		ppm (ug/g)	0.2 max	Pass
Spirotetramat (CAS# 23313-25-1)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Spiroxamine (CAS# 11834-30-8)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Tebuconazole (CAS# 107534-96-3)	3/4/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Thiacloprid (CAS# 11988-49-9)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Thiamethoxam (CAS# 153719-23-4)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Trifloxystrobin (CAS# 141517-21-7)	3/4/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
AOAC 2007.01 and EN 15662: GC-MS/MS						
Bifenthrin (CAS# 82657-04-3)	3/5/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Chlorfenapyr (CAS# 122453-73-0)	3/5/2019	< 0.20		ppm (ug/g)	1 max	Pass
Fipronil (CAS# 120068-37-3)	3/5/2019	< 0.05		ppm (ug/g)	0.4 max	Pass

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Methyl parathion (CAS# 298-00-0)	3/5/2019	< 0.10		ppm (ug/g)	0.2 max	Pass
Quality Control Analyses						
LCS_Pesticides (LC-MS/MS)	3/5/2019	positive control		ppm (ug/g)	positive control	Pass
Method Blank_Pesticides (LC-MS/MS)	3/5/2019	clear		ppm (ug/g)	clear	Pass
LCS_Pesticides (GC-MS/MS)	3/5/2019	positive control		ppm (ug/g)	positive control	Pass
Method Blank_Pesticides (GC-MS/MS)	3/5/2019	clear		ppm (ug/g)	clear	Pass

Footnotes:

Acceptance criteria are found in the Oregon Administrative Rule. Analyses are performed in accordance with the most current methods.

Potency results reported on a dry weight basis.

1. J = estimated value. The analyte of interest was detected at a concentration below the lowest calibrated value.

Laboratory Control Sample (LCS) - The percent recovery for target analytes in the batch LCS Quality Control samples support data acceptance.

Method Blank (MB) - The chromatographic regions evaluated for detection were absent of the respective target analytes at or above the Limit of Quantitation (LOQ).

Reviewed By: J. Fetkenhour, Technical Director

Date: 3/6/2019

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