



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

Certificate of Analysis

Sofresh Farms
 27135 S. Gribble Rd.
 Canby, OR 97013
 Michelle Haworth
 Lic Num: 020-1000010499D8

Strain: Portland Pineapple
 Matrix: Flower
 CTS Batch #: 1A4010300001E17000005451
 Lot Number: Portland Pineapple 10/14/19
 Lot Size (lb): 8.69
 Client CTS Sample ID: SOF_3139
 Collected: 11/26/2019 11:44
 Received: 11/26/2019 16:23
 Anova Sample ID: 079193300103

Analysis Performed	Date Analyzed	Result	fn	Reporting Units	Reporting Criterion	Pass/Fail
Giese 2015						
Cannabidiol (CBD) by HPLC	12/2/2019	< 0.02		% Mass	n/a	n/a
Cannabidiolic acid (CBDA) by HPLC	12/2/2019	0.13		% Mass	n/a	n/a
Cannabinol (CBN) by HPLC	12/2/2019	< 0.02		% Mass	n/a	n/a
delta-9-Tetrahydrocannabinol (d9-THC) by HPLC	12/2/2019	1.58		% Mass	n/a	n/a
delta-9-Tetrahydrocannabinolic acid (d9-THCA) by HPLC	12/2/2019	29.0		% Mass	n/a	n/a
Total CBD (Calculated)	12/2/2019	0.11		% Mass	n/a	n/a
Total THC (Calculated)	12/2/2019	27.0		% Mass	n/a	n/a
FET_HSGC						
Terpene Profile	12/3/2019	see attached		mg/g	n/a	n/a
AOAC Method 934.01						
Moisture (Loss on Drying)	11/27/2019	13.19		% Mass	15 max	Pass
AOAC Method 978.18						
Water Activity	11/27/2019	0.44		aW	0.65 max	Pass
AOAC 2007.01 and EN 15662: LC-MS/MS						
Abamectin (CAS# 71751-41-2)	12/2/2019	< 0.10		ppm (ug/g)	0.5 max	Pass
Acephate (CAS# 30560-19-1)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Acequinocyl (CAS# 57960-19-7)	12/2/2019	< 0.20		ppm (ug/g)	2 max	Pass
Acetamiprid (CAS# 135410-20-7)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Aldicarb (CAS# 116-06-3)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Azoxystrobin (CAS# 131860-33-8)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Bifenazate (CAS# 149877-41-8)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Boscalid (CAS# 188425-85-6)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Carbaryl (CAS# 63-25-2)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass

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Carbofuran (CAS# 1563-66-2)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Chlorantraniliprole (CAS# 500008-45-7)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Chlorpyrifos (CAS# 2921-88-2)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Clofentezine (CAS# 74115-24-5)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Cyfluthrin (CAS# 68359-37-5)	12/2/2019	< 0.20		ppm (ug/g)	1 max	Pass
Cypermethrin (CAS# 52315-07-8)	12/2/2019	< 0.10		ppm (ug/g)	1 max	Pass
Daminozide (CAS# 1596-84-5)	12/2/2019	< 0.10		ppm (ug/g)	1 max	Pass
DDVP (Dichlorvos) (CAS# 62-73-7)	12/2/2019	< 0.05		ppm (ug/g)	1 max	Pass
Diazinon (CAS# 333-41-5)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Dimethoate (CAS# 60-51-5)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Ethoprophos (CAS# 13194-48-4)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Etofenprox (CAS# 80844-07-1)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Etoxazole (CAS# 153233-91-1)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Fenoxycarb (CAS# 72490-01-8)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Fenpyroximate (CAS# 134098-61-6)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Fipronil (CAS# 120068-37-3)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Flonicamid (CAS# 158062-67-0)	12/2/2019	< 0.05		ppm (ug/g)	1 max	Pass
Fludioxonil (CAS# 131341-86-1)	12/2/2019	< 0.10		ppm (ug/g)	0.4 max	Pass
Hexythiazox (CAS# 78587-05-0)	12/2/2019	< 0.05		ppm (ug/g)	1 max	Pass
Imazalil (CAS# 35554-44-0)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Imidacloprid (CAS# 138261-41-3)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Kresoxim-methyl (CAS# 143390-89-0)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Malathion (CAS# 121-75-5)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Metalaxyl (CAS# 57837-19-1)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Methiocarb (CAS# 2032-65-7)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass

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Methomyl (CAS# 16752-77-5)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
MGK-264 (CAS#113-48-4)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Myclobutanil (CAS# 88671-89-0)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Naled (CAS# 300-76-5)	12/2/2019	< 0.20		ppm (ug/g)	0.5 max	Pass
Oxamyl (CAS# 23135-22-0)	12/2/2019	< 0.05		ppm (ug/g)	1 max	Pass
Paclobutrazol (CAS# 76738-62-0)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Permethrins (CAS# 52645-53-1)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Phosmet (CAS#732-11-6)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Piperonyl butoxide (CAS# 51-03-6)	12/2/2019	< 0.05		ppm (ug/g)	2 max	Pass
Prallethrin (CAS# 23031-36-9)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Propiconazole (CAS# 60207-90-1)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Propoxur (CAS# 114-26-1)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Pyrethrins (CAS# 8003-34-7)	12/2/2019	< 0.10		ppm (ug/g)	1 max	Pass
Pyridaben (CAS# 96489-71-3)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Spinosad (Spinosyn A & D) (CAS# 168316-95-8)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Spiromesifen (CAS# 283594-90-1)	12/2/2019	< 0.10		ppm (ug/g)	0.2 max	Pass
Spirotetramat (CAS# 23313-25-1)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Spiroxamine (CAS# 11834-30-8)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Tebuconazole (CAS# 107534-96-3)	12/2/2019	< 0.05		ppm (ug/g)	0.4 max	Pass
Thiacloprid (CAS# 11988-49-9)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Thiamethoxam (CAS# 153719-23-4)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Trifloxystrobin (CAS# 141517-21-7)	12/2/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
AOAC 2007.01 and EN 15662: GC-MS/MS						
Bifenthrin (CAS# 82657-04-3)	12/1/2019	< 0.05		ppm (ug/g)	0.2 max	Pass
Chlorfenapyr (CAS# 122453-73-0)	12/1/2019	< 0.20		ppm (ug/g)	1 max	Pass

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Methyl parathion (CAS# 298-00-0)	12/1/2019	< 0.10		ppm (ug/g)	0.2 max	Pass
Quality Control Analyses						
LCS_Pesticides (LC-MS/MS)	12/2/2019	positive control		ppm (ug/g)	positive control	Pass
Method Blank_Pesticides (LC-MS/MS)	12/2/2019	clear		ppm (ug/g)	clear	Pass
LCS_Pesticides (GC-MS/MS)	12/1/2019	positive control		ppm (ug/g)	positive control	Pass
Method Blank_Pesticides (GC-MS/MS)	12/1/2019	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.

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: 12/4/2019

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