



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: Kosher Kush  
 Matrix: Flower  
 CTS Batch #: 1A4010300001E17000005030  
 Lot Number: Kosher Kush 7/19/19  
 Lot Size (lb): 14.99  
 Client CTS Sample ID: SOF\_3005  
 Collected: 10/28/2019 14:00  
 Received: 10/28/2019 15:08  
 Anova Sample ID: 079193010204

| Analysis Performed                                    | Date Analyzed | Result       | fn | Reporting Units | Reporting Criterion | Pass/Fail |
|---|---------------|--------------|----|-----------------|---------------------|-----------|
| <b>Giese 2015</b>                                     |               |              |    |                 |                     |           |
| Cannabidiol (CBD) by HPLC                             | 11/1/2019     | < 0.02       |    | % Mass          | n/a                 | n/a       |
| Cannabidiolic acid (CBDA) by HPLC                     | 11/1/2019     | 0.13         |    | % Mass          | n/a                 | n/a       |
| Cannabinol (CBN) by HPLC                              | 11/1/2019     | < 0.02       |    | % Mass          | n/a                 | n/a       |
| delta-9-Tetrahydrocannabinol (d9-THC) by HPLC         | 11/1/2019     | 0.80         |    | % Mass          | n/a                 | n/a       |
| delta-9-Tetrahydrocannabinolic acid (d9-THCA) by HPLC | 11/1/2019     | 30.1         |    | % Mass          | n/a                 | n/a       |
| Total CBD (Calculated)                                | 11/1/2019     | 0.11         |    | % Mass          | n/a                 | n/a       |
| Total THC (Calculated)                                | 11/1/2019     | 27.2         |    | % Mass          | n/a                 | n/a       |
| <b>FET_HSGC</b>                                       |               |              |    |                 |                     |           |
| Terpene Profile                                       | 11/1/2019     | see attached |    | mg/g            | n/a                 | n/a       |
| <b>AOAC Method 934.01</b>                             |               |              |    |                 |                     |           |
| Moisture (Loss on Drying)                             | 10/29/2019    | 12.37        |    | % Mass          | 15 max              | Pass      |
| <b>AOAC Method 978.18</b>                             |               |              |    |                 |                     |           |
| Water Activity  | 10/29/2019    | 0.45         |    | aW              | 0.65 max            | Pass      |
| <b>AOAC 2007.01 and EN 15662: LC-MS/MS</b>            |               |              |    |                 |                     |           |
| Abamectin (CAS# 71751-41-2)                           | 11/1/2019     | < 0.10       |    | ppm (ug/g)      | 0.5 max             | Pass      |
| Acephate (CAS# 30560-19-1)                            | 11/1/2019     | < 0.05       |    | ppm (ug/g)      | 0.4 max             | Pass      |
| Acequinocyl (CAS# 57960-19-7)                         | 11/1/2019     | < 0.20       |    | ppm (ug/g)      | 2 max               | Pass      |
| Acetamiprid (CAS# 135410-20-7)                        | 11/1/2019     | < 0.05       |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Aldicarb (CAS# 116-06-3)                              | 11/1/2019     | < 0.05       |    | ppm (ug/g)      | 0.4 max             | Pass      |
| Azoxystrobin (CAS# 131860-33-8)                       | 11/1/2019     | < 0.05       |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Bifenazate (CAS# 149877-41-8)                         | 11/1/2019     | < 0.05       |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Boscalid (CAS# 188425-85-6)                           | 11/1/2019     | < 0.05       |    | ppm (ug/g)      | 0.4 max             | Pass      |
| Carbaryl (CAS# 63-25-2)                               | 11/1/2019     | < 0.05       |    | ppm (ug/g)      | 0.2 max             | Pass      |

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|--|---------------|--------|----|-----------------|---------------------|-----------|
| Carbofuran (CAS# 1563-66-2)            | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Chlorantraniliprole (CAS# 500008-45-7) | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Chlorpyrifos (CAS# 2921-88-2)          | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Clofentezine (CAS# 74115-24-5)         | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Cyfluthrin (CAS# 68359-37-5)           | 11/1/2019     | < 0.20 |    | ppm (ug/g)      | 1 max               | Pass      |
| Cypermethrin (CAS# 52315-07-8)         | 11/1/2019     | < 0.10 |    | ppm (ug/g)      | 1 max               | Pass      |
| Daminozide (CAS# 1596-84-5)            | 11/1/2019     | < 0.10 |    | ppm (ug/g)      | 1 max               | Pass      |
| DDVP (Dichlorvos) (CAS# 62-73-7)       | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 1 max               | Pass      |
| Diazinon (CAS# 333-41-5)               | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Dimethoate (CAS# 60-51-5)              | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Ethoprophos (CAS# 13194-48-4)          | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Etofenprox (CAS# 80844-07-1)           | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.4 max             | Pass      |
| Etoxazole (CAS# 153233-91-1)           | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Fenoxycarb (CAS# 72490-01-8)           | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Fenpyroximate (CAS# 134098-61-6)       | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.4 max             | Pass      |
| Fipronil (CAS# 120068-37-3)            | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.4 max             | Pass      |
| Flonicamid (CAS# 158062-67-0)          | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 1 max               | Pass      |
| Fludioxonil (CAS# 131341-86-1)         | 11/1/2019     | < 0.10 |    | ppm (ug/g)      | 0.4 max             | Pass      |
| Hexythiazox (CAS# 78587-05-0)          | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 1 max               | Pass      |
| Imazalil (CAS# 35554-44-0)             | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Imidacloprid (CAS# 138261-41-3)        | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.4 max             | Pass      |
| Kresoxim-methyl (CAS# 143390-89-0)     | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.4 max             | Pass      |
| Malathion (CAS# 121-75-5)              | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Metalaxyl (CAS# 57837-19-1)            | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |
| Methiocarb (CAS# 2032-65-7)            | 11/1/2019     | < 0.05 |    | ppm (ug/g)      | 0.2 max             | Pass      |

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

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| Methyl parathion (CAS# 298-00-0)   | 11/4/2019     | < 0.10                  |    | ppm (ug/g)      | 0.2 max             | Pass      |
| <b>Quality Control Analyses</b>    |               |                         |    |                 |                     |           |
| LCS_Pesticides (LC-MS/MS)          | 11/1/2019     | <b>positive control</b> |    | ppm (ug/g)      | positive control    | Pass      |
| Method Blank_Pesticides (LC-MS/MS) | 11/1/2019     | <b>clear</b>            |    | ppm (ug/g)      | clear               | Pass      |
| LCS_Pesticides (GC-MS/MS)          | 11/4/2019     | <b>positive control</b> |    | ppm (ug/g)      | positive control    | Pass      |
| Method Blank_Pesticides (GC-MS/MS) | 11/4/2019     | <b>clear</b>            |    | 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:** 11/4/2019

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