

Prepared for:

DEFY RECOVER Orange Citrus
DEFY


| | | | |
|---|-------------------------|-----------------------------|---|
| Batch ID or Lot Number: W221362 | Test: Potency | Reported: 1/11/22 | Location: 4109 E 10th Ave. Denver, CO 80220 |
|---|-------------------------|-----------------------------|---|

| | | | |
|-----------------|------------------------|---------------------|----------------------|
| Matrix: Unit | Test ID: T000185951 | Started: 1/10/22 | USDA License: N/A |
|-----------------|------------------------|---------------------|----------------------|


| | | | |
|----------------|---|------------------------------------|--------------------|
| Status: N/A | Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC (Colorado Panel) | Received: 01/05/2022 @ 11:22 AM | Sampler ID: N/A |
|----------------|---|------------------------------------|--------------------|

CANNABINOID PROFILE

| Compound | LOD (mg) | LOQ (mg) | Result (mg) | Result (mg/g) | Notes |
|--|----------|----------|---------------|---------------|---|
| Delta 9-Tetrahydrocannabinolic acid (THCA-A) | 0.860 | 3.018 | ND | ND | # of Servings = 1 Sample Weight=508.9g |
| Delta 9-Tetrahydrocannabinol (Delta 9THC) | 0.970 | 3.407 | ND | ND | |
| Cannabidiolic acid (CBDA) | 1.226 | 3.957 | ND | ND | |
| Cannabidiol (CBD) | 1.195 | 3.858 | 25.170 | 0.05 | |
| Delta 8-Tetrahydrocannabinol (Delta 8THC) | 1.068 | 3.751 | ND | ND | |
| Cannabinolic Acid (CBNA) | 0.612 | 2.148 | ND | ND | |
| Cannabinol (CBN) | 0.280 | 0.983 | ND | ND | |
| Cannabigerolic acid (CBGA) | 0.897 | 3.149 | ND | ND | |
| Cannabigerol (CBG) | 0.215 | 0.753 | 0.761 | 0.00 | |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.758 | 2.662 | ND | ND | |
| Tetrahydrocannabivarin (THCV) | 0.195 | 0.685 | ND | ND | |
| Cannabidivarinic Acid (CBDVA) | 0.511 | 1.650 | ND | ND | |
| Cannabidivarin (CBDV) | 0.283 | 0.912 | ND | ND | |
| Cannabichromenic Acid (CBCA) | 0.346 | 1.213 | ND | ND | |
| Cannabichromene (CBC) | 0.378 | 1.327 | 0.849* | 0* | |
| Total Cannabinoids | | | 26.780 | 0.05 | |
| Total Potential THC** | | | ND | ND | |
| Total Potential CBD** | | | 25.170 | 0.05 | |


 Hannah Wright
 11-Jan-2022
 12:29 PM

PREPARED BY / DATE


 Daniel Weidensaul
 11-Jan-22
 12:57 PM

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

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CDPHE Certified



Certificate #4329.02

DEFY RECOVER Orange Citrus

| | | | |
|------------------|-----------------|-------------------|-----------------------|
| Batch ID: | W221362 | Test ID: | T000185952 |
| Type: | Unit Co | Submitted: | 01/05/2022 @ 11:22 AM |
| Test: | Trace THC | Started: | 1/11/2022 |
| Method: | TM20 (HPLC-DAD) | Reported: | 1/12/2022 |

TRACE THC/THCa PROFILE

| Compound | Dynamic Range (%) | Result (%) | Result (mg/g) |
|--|-------------------|------------|---------------|
| Delta 9-Tetrahydrocannabinol (Delta 9THC) | 0 - 0.018 | ND** | ND** |
| Delta 9-Tetrahydrocannabinolic acid (THCA-A) | 0 - 0.035 | ND** | ND** |
| Total Potential THC* | | ND** | ND** |

NOTES:

N/A


% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.
Total THC = THC + (THCa *(0.877))

** ND = None Detected (Defined by Dynamic Range of the method)

*** ALOO = Above Limit Of Quantitation (Defined by Dynamic Range of the method)

FINAL APPROVAL


Rvan Weems
12-Jan-2022
3:36 PM
Sam Smith
12-Jan-2022
3:44 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Prepared for:


DEFY RECOVER Orange Citrus
DEFY

| | | | |
|---|---|------------------------------------|---|
| Batch ID or Lot Number: W221362 | Test: Microbial Contaminants | Reported: 1/10/22 | Location: 4109 E 10th Ave. Denver, CO 80220 |
| Matrix: Finished Product | Test ID: T000185954 | Started: 1/6/22 | USDA License: N/A |
| Status: N/A | Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel) | Received: 01/05/2022 @ 11:22 AM | Sampler ID: N/A |

MICROBIAL CONTAMINANTS DETERMINATION

| Contaminant | Method | LOD | LLOQ | ULOQ | Result | Notes |
|------------------------------|------------------------|-----------------------|-----------------------|---------------------------|---------------|---|
| Total Aerobic Count* | TM-26, Culture Plating | 10 ² CFU/g | 10 ³ CFU/g | 1.5x10 ⁵ CFU/g | None Detected | Free from visual mold, mildew, and foreign matter |
| Total Coliforms* | TM-27, Culture Plating | 10 ¹ CFU/g | 10 ² CFU/g | 1.5x10 ⁴ CFU/g | None Detected | |
| Total Yeast and Mold* | TM-24, Culture Plating | 10 ¹ CFU/g | 10 ² CFU/g | 1.5x10 ⁴ CFU/g | None Detected | |
| E. coli (STEC) | TM-25, PCR | 1 CFU/25 g | NA | NA | Absent | |
| Salmonella | TM-25, PCR | 1 CFU/25 g | NA | NA | Absent | |
| | | | | | | |


 Brett Hudson
 1/10/2022
 4:09:00 PM


 Eden Thompson-Wright
 1/10/2022
 5:16:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

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Prepared for:


DEFY RECOVER Orange Citrus
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| | | | |
|---|-----------------------------------|------------------------------------|---|
| Batch ID or Lot Number: W221362 | Test: Pesticides | Reported: 1/11/22 | Location: 4109 E 10th Ave. Denver, CO 80220 |
| Matrix: Concentrate | Test ID: T000185953 | Started: 1/10/22 | USDA License: N/A |
| Status: N/A | Method: TM17(LC-QQQ LC MS/MS): | Received: 01/05/2022 @ 11:22 AM | Sampler ID: N/A |

PESTICIDE DETERMINATION

| Compound | LOQ (ppb) | Result (ppb) | Compound | LOQ (ppb) | Result (ppb) | Compound | LOQ (ppb) | Result (ppb) |
|---------------------|-----------|--------------|-----------------|-----------|--------------|-----------------|-----------|--------------|
| Acephate | 47 | ND | Fenoxycarb | 43 | ND | Paclobutrazol | 46 | ND |
| Acetamiprid | 46 | ND | Fipronil | 34 | ND | Permethrin | 328 | ND |
| Avermectin | 302 | ND | Flonicamid | 62 | ND | Phosmet | 45 | ND |
| Azoxystrobin | 44 | ND | Fludioxonil | 316 | ND | Prophos | 262 | ND |
| Bifenazate | 38 | ND | Hexythiazox | 48 | ND | Propoxur | 41 | ND |
| Boscalid | 48 | ND | Imazalil | 281 | ND | Pyridaben | 323 | ND |
| Carbaryl | 37 | ND | Imidacloprid | 48 | ND | Spinosad A | 38 | ND |
| Carbofuran | 43 | ND | Kresoxim-methyl | 150 | ND | Spinosad D | 56 | ND |
| Chlorantraniliprole | 46 | ND | Malathion | 284 | ND | Spiromesifen | 288 | ND |
| Chlorpyrifos | 500 | ND | Metalaxyl | 45 | ND | Spirotetramat | 289 | ND |
| Clofentezine | 272 | ND | Methiocarb | 35 | ND | Spiroxamine 1 | 19 | ND |
| Diazinon | 306 | ND | Methomyl | 48 | ND | Spiroxamine 2 | 23 | ND |
| Dichlorvos | 342 | ND | MGK 264 1 | 183 | ND | Tebuconazole | 280 | ND |
| Dimethoate | 42 | ND | MGK 264 2 | 126 | ND | Thiacloprid | 45 | ND |
| E-Fenpyroximate | 323 | ND | Myclobutanil | 39 | ND | Thiamethoxam | 43 | ND |
| Etofenprox | 44 | ND | Naled | 43 | ND | Trifloxystrobin | 46 | ND |
| Etoxazole | 337 | ND | Oxamyl | 1500 | ND | | | |


 Sam Smith
 1/11/2022
 1:35:00 PM


 Daniel Weidensaul
 1/11/2022
 1:44:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Prepared for:


DEFY RECOVER Orange Citrus

DEFY

| | | | |
|---|--|------------------------------------|---|
| Batch ID or Lot Number: W221362 | Test: Metals | Reported: 1/10/22 | Location: 4109 E 10th Ave. Denver, CO 80220 |
| Matrix: Unit Co | Test ID: T000185955 | Started: 1/7/22 | USDA License: N/A |
| Status: N/A | Method: TM19 (ICP-MS); Heavy Metals (Colorado Panel) | Received: 01/05/2022 @ 11:22 AM | Sampler ID: N/A |

HEAVY METALS DETERMINATION

| Compound | Dynamic Range (ppm) | Result (ppm) | Notes |
|----------|---------------------|--------------|-------|
| Arsenic | 0.045 - 4.54 | ND | |
| Cadmium | 0.046 - 4.60 | ND | |
| Mercury | 0.045 - 4.54 | ND | |
| Lead | 0.050 - 4.99 | ND | |

| | |
|--|--|
|  Sam Smith 10-Jan-22 11:46 AM PREPARED BY / DATE |  Ryan Weems 10-Jan-22 12:04 PM APPROVED BY / DATE |
|--|--|

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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Prepared for:

LA-035-BSE-X-UNF
DEFY

| | | | |
|--|-----------------------------------|------------------------------|--|
| Batch ID or Lot Number: AIL2221021 | Test: Residual Solvents | Reported: 11/17/21 | Location: 4109 E. 10th Ave. Denver, CO 80220 |
|--|-----------------------------------|------------------------------|--|

| | | | |
|----------------|------------------------|----------------------|----------------------|
| Matrix: N/A | Test ID: T000176745 | Started: 11/17/21 | USDA License: N/A |
|----------------|------------------------|----------------------|----------------------|

| | | | |
|----------------|---|------------------------------------|--------------------|
| Status: N/A | Methods: TM04 (GC-MS): Residual Solvents | Received: 11/16/2021 @ 09:26 AM | Sampler ID: N/A |
|----------------|---|------------------------------------|--------------------|

RESIDUAL SOLVENTS DETERMINATION

| Solvent | Dynamic Range (ppm) | Result (ppm) | Notes |
|---|---------------------|--------------|-------|
| Propane | 97 - 1948 | *ND | |
| Butanes (Isobutane, n-Butane) | 197 - 3938 | *ND | |
| Methanol | 55 - 1103 | *ND | |
| Pentane | 75 - 1500 | *ND | |
| Ethanol | 76 - 1530 | *ND | |
| Acetone | 87 - 1747 | *ND | |
| Isopropyl Alcohol | 91 - 1825 | *ND | |
| Hexane | 5 - 106 | *ND | |
| Ethyl Acetate | 88 - 1758 | *ND | |
| Benzene | 0.2 - 3.5 | *ND | |
| Heptanes | 83 - 1670 | *ND | |
| Toluene | 16 - 317 | *ND | |
| Xylenes (m,p,o-Xylenes) | 115 - 2292 | *ND | |


 Hannah Wright
 17-Nov-21
 4:48 PM

PREPARED BY / DATE


 Sam Smith
 17-Nov-21
 4:51 PM

APPROVED BY / DATE

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02


Prepared for:

DEFY RECOVER Orange Citrus
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| | | | |
|---|---|------------------------------------|---|
| Batch ID or Lot Number: W221362 | Test: Mycotoxins | Reported: 1/10/22 | Location: 4109 E 10th Ave. Denver, CO 80220 |
| Matrix: Concentrate | Test ID: T000185957 | Started: 1/7/22 | USDA License: N/A |
| Status: N/A | Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel) | Received: 01/05/2022 @ 11:22 AM | Sampler ID: N/A |

MYCOTOXIN DETERMINATION

| Compound | Dynamic Range (ppb) | Result (ppb) | Notes |
|--|---------------------|--------------|-------|
| Ochratoxin A | 3.4 - 136.6 | ND | N/A |
| Aflatoxin B1 | 1 - 35.2 | ND | |
| Aflatoxin B2 | 1.2 - 34.4 | ND | |
| Aflatoxin G1 | 1.1 - 34.5 | ND | |
| Aflatoxin G2 | 1.2 - 33.7 | ND | |
| Total Aflatoxins (B1, B2, G1, and G2) | | ND | |


 Sam Smith
 10-Jan-22
 12:18 PM

PREPARED BY / DATE


 Ryan Weems
 10-Jan-22
 12:36 PM

APPROVED BY / DATE

Definitions

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