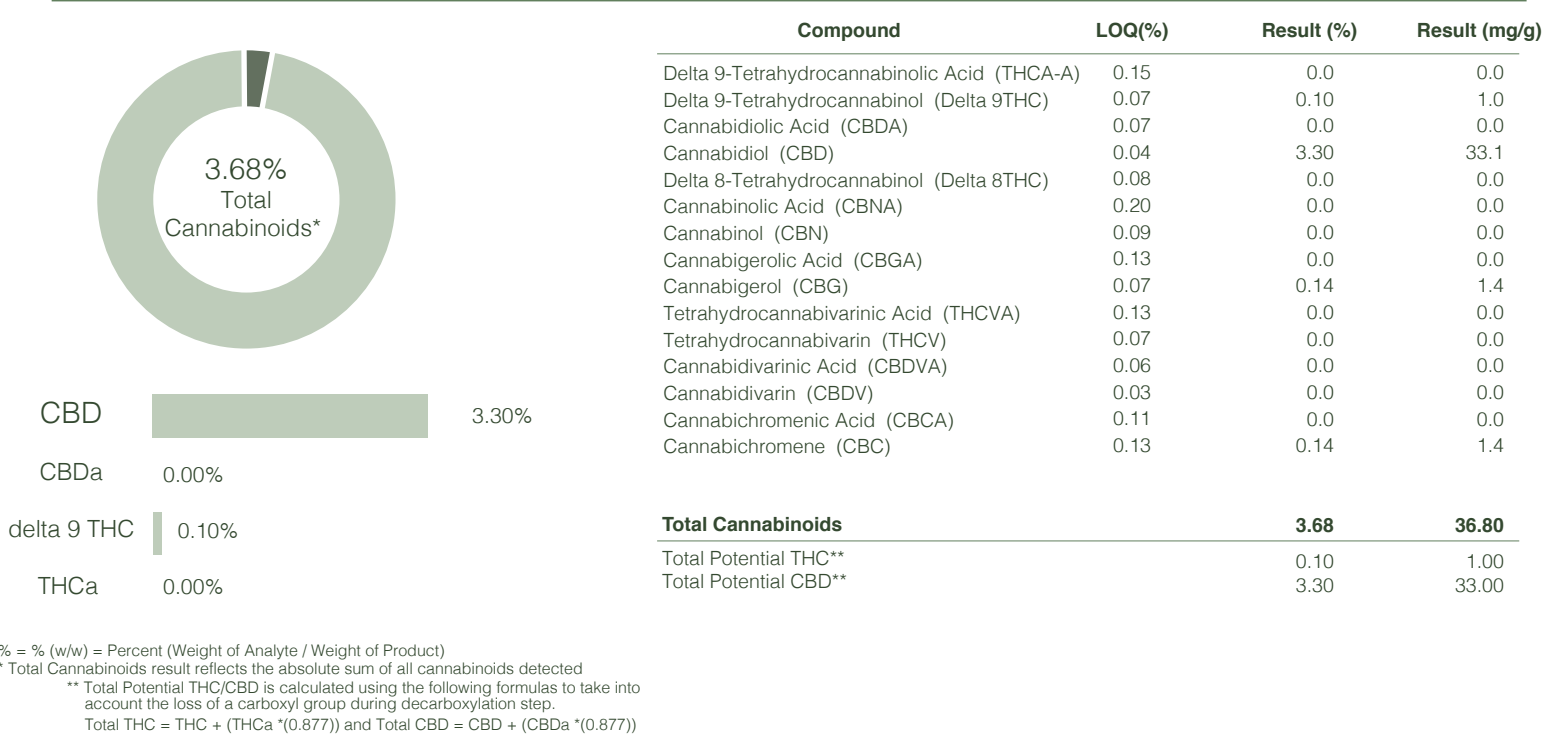


Hugs Mango & Raspberry Tinctures Certificate of Analysis

1000mg

Batch ID: Hug-MANGO1000-001 **Test ID:** 5423200.002
Reported: 26-Apr-2019 **Method:** TM14
Type: Concentrate
Test Potency

CANNABINOID PROFILE



Pesticides

| Sample ID | Analyzed | Sample Description | Analysis | Result | Units | Method Code |
|-------------|-----------|--------------------|--------------------------|----------|-------|-------------|
| 1904904-001 | 4/24/2019 | Hug_Mango1000_001 | Salmonella spp. | Negative | /10g | Salm.1a |
| | 4/24/2019 | | Listeria spp. | Negative | /10g | List.2 |
| | 4/24/2019 | | Aerobic Plate Count | < 10 | CFU/g | APC.1a |
| | 4/24/2019 | | Totali Coliform Bacteria | < 10 | CFU/g | TC.1a |
| | 4/24/2019 | | Escherichia coli | < 10 | CFU/g | EC.1a |
| | 4/24/2019 | | Yeast and Mold | < 10 | CFU/g | Y&M.1a |

Metals

*ND: Detected or below reportable threshold
All data in the folowing table is in parts per million (ppm)

| Sample | METRC # | Arsenic | Lead | Cadmium | Mercury |
|--------|---------|---------|------|---------|---------|
| 295973 | 00120 | ND | ND | ND | ND |

Notes: The State of Colorado mandates the following levels for heavy metals:
Lead (1 ppm), Arsenic (0.4 ppm), Cadmium (0.4 ppm) and Mercury (0.2 ppm).
This testing is for R&D purposed only.

Solvents

Date Lab Test: 06-Jun-2019
Lot Number: IL19051-029

| Test | Methodology | Specification | Test Results | Pass/Fail |
|----------------------------|------------------|---------------|--------------|-----------|
| Residual Pentane | Headspace GC-FID | ≤ 500 ppm | < LOQ | Pass |
| Residual Acetone | Headspace GC-FID | ≤ 500 ppm | < LOQ | Pass |
| Residual Isopropyl Alcohol | Headspace GC-FID | ≤ 500 ppm | < LOQ | Pass |
| Residual Hexane | Headspace GC-FID | ≤ 25 ppm | ND | Pass |

Batch ID:

Hug -RASP-1000-001

Test ID:

5423200.004

Reported:

26-Apr-2019

Method:

TM14

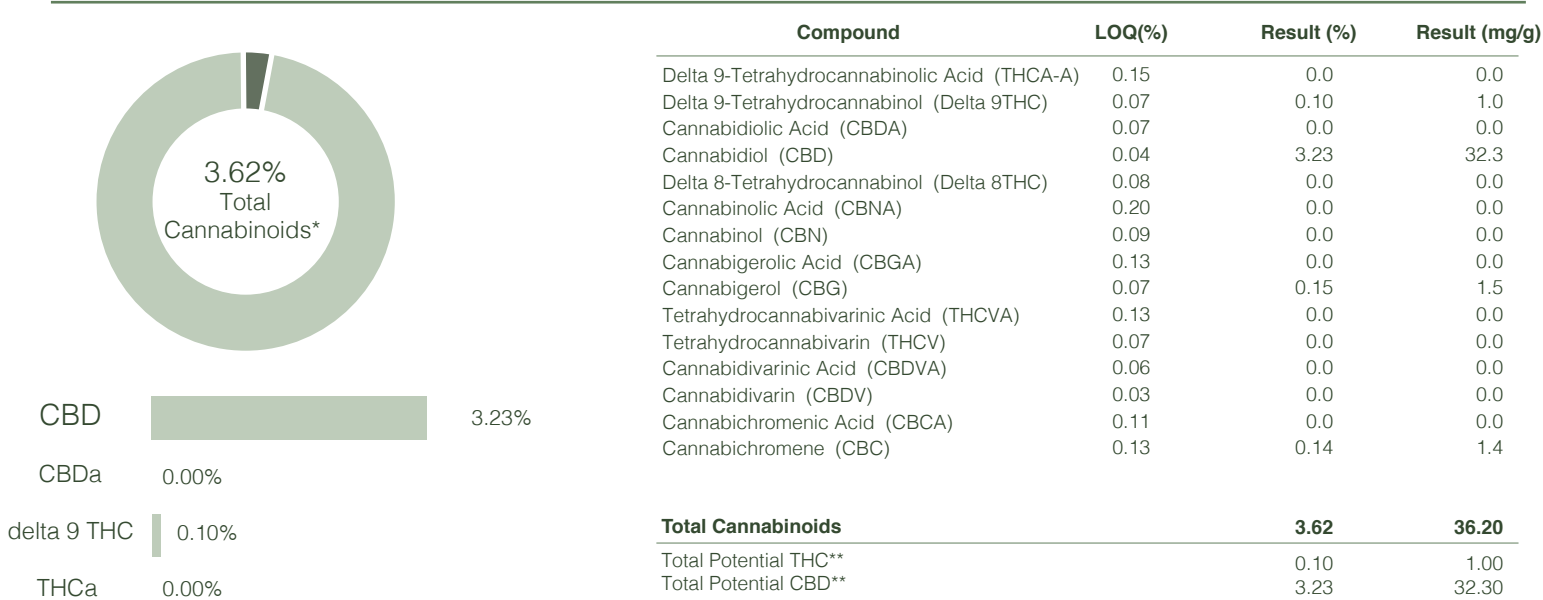
Type:

Concentrate

Test

Potency

CANNABINOID PROFILE



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

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

** Total Potential THC/CBD 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)) and Total CBD = CBD + (CBDa *(0.877))

NOTES

N/A

Pesticides

| Sample ID | Analyzed | Sample Description | Analysis | Result | Units | Method Code |
|-------------|-----------|--------------------|--------------------------|----------|-------|-------------|
| 1904904-002 | 4/24/2019 | Hug_Rasp1000_001 | Salmonella spp. | Negative | /10g | Salm.1a |
| | 4/24/2019 | | Listeria spp. | Negative | /10g | List.2 |
| | 4/24/2019 | | Aerobic Plate Count | < 10 | CFU/g | APC.1a |
| | 4/24/2019 | | Totali Coliform Bacteria | < 10 | CFU/g | TC.1a |
| | 4/24/2019 | | Escherichia coli | < 10 | CFU/g | EC.1a |
| | 4/24/2019 | | Yeast and Mold | < 10 | CFU/g | Y&M.1a |

Metals

*ND: Detected or below reportable threshold
All data in the folowing table is in parts per million (ppm)

| Sample | METRC # | Arsenic | Lead | Cadmium | Mercury |
|--------|---------|---------|------|---------|---------|
| 295973 | 00120 | ND | ND | ND | ND |

Notes: The State of Colorado mandates the following levels for heavy metals: Lead (1 ppm), Arsenic (0.4 ppm), Cadmium (0.4 ppm) and Mercury (0.2 ppm). This testing is for R&D purposed only.

Solvents

Date Lab Test: 06-Jun-2019
Lot Number: IL19051-029

| Test | Methodology | Specification | Test Results | Pass/Fail |
|----------------------------|------------------|---------------|--------------|-----------|
| Residual Pentane | Headspace GC-FID | ≤ 500 ppm | < LOQ | Pass |
| Residual Acetone | Headspace GC-FID | ≤ 500 ppm | < LOQ | Pass |
| Residual Isopropyl Alcohol | Headspace GC-FID | ≤ 500 ppm | < LOQ | Pass |
| Residual Hexane | Headspace GC-FID | ≤ 25 ppm | ND | Pass |

Hugs Mango & Raspberry Tinctures Certificate of Analysis

500mg

Batch ID:

Hug-MANGO500-001

Test ID:

5423200.003

Reported:

26-Apr-2019

Method:

TM14

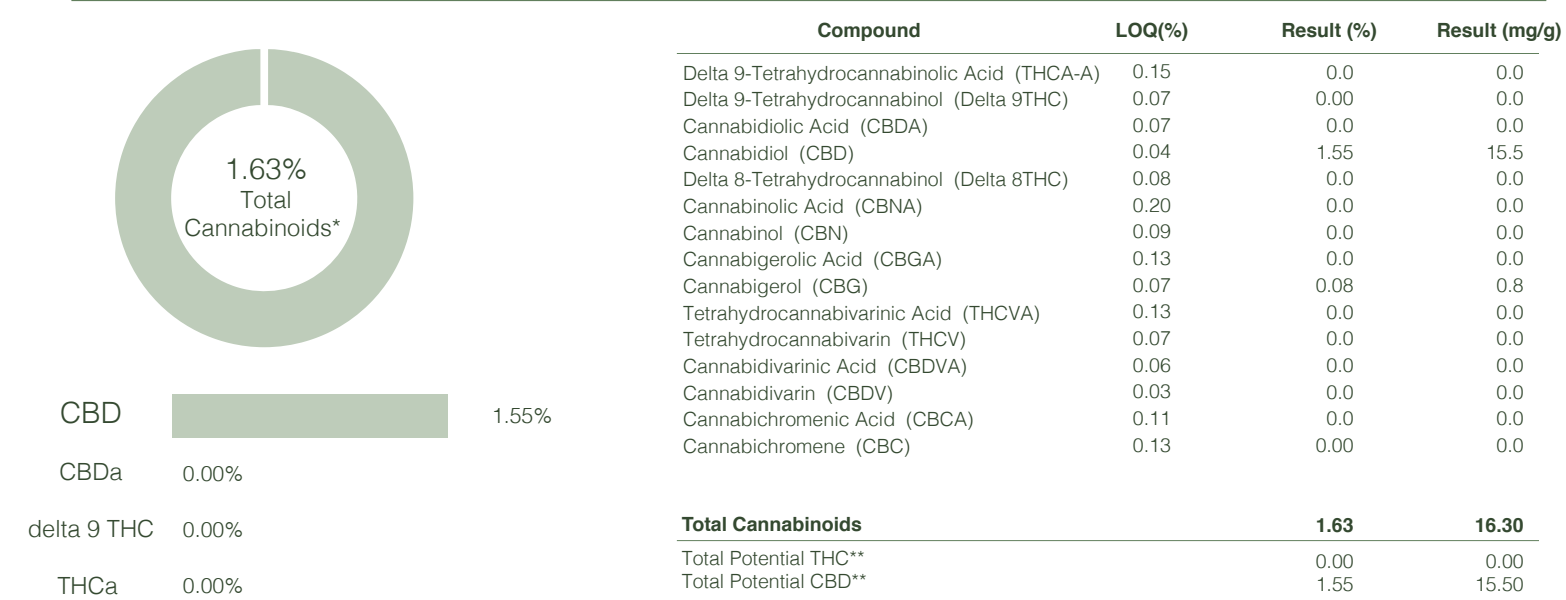
Type:

Concentrate

Test

Potency

CANNABINOID PROFILE



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

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

** Total Potential THC/CBD 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)) and Total CBD = CBD + (CBDa *(0.877))

NOTES

N/A

Pesticides

| Sample ID | Analyzed | Sample Description | Analysis | Result | Units | Method Code |
|-------------|-----------|--------------------|--------------------------|----------|-------|-------------|
| 1904904-003 | 4/24/2019 | Hug_Mango500_001 | Salmonella spp. | Negative | /10g | Salm.1a |
| | 4/24/2019 | | Listeria spp. | Negative | /10g | List.2 |
| | 4/24/2019 | | Aerobic Plate Count | < 10 | CFU/g | APC.1a |
| | 4/24/2019 | | Totali Coliform Bacteria | < 10 | CFU/g | TC.1a |
| | 4/24/2019 | | Escherichia coli | < 10 | CFU/g | EC.1a |
| | 4/24/2019 | | Yeast and Mold | < 10 | CFU/g | Y&M.1a |

Metals

*ND: Detected or below reportable threshold
All data in the folowing table is in parts per million (ppm)

| Sample | METRC # | Arsenic | Lead | Cadmium | Mercury |
|--------|---------|---------|------|---------|---------|
| 295973 | 00120 | ND | ND | ND | ND |

Notes: The State of Colorado mandates the following levels for heavy metals:
Lead (1 ppm), Arsenic (0.4 ppm), Cadmium (0.4 ppm) and Mercury (0.2 ppm).
This testing is for R&D purposed only.

Solvents

Date Lab Test: 06-Jun-2019
Lot Number: IL19051-029

| Test | Methodology | Specification | Test Results | Pass/Fail |
|----------------------------|------------------|---------------|--------------|-----------|
| Residual Pentane | Headspace GC-FID | ≤ 500 ppm | < LOQ | Pass |
| Residual Acetone | Headspace GC-FID | ≤ 500 ppm | < LOQ | Pass |
| Residual Isopropyl Alcohol | Headspace GC-FID | ≤ 500 ppm | < LOQ | Pass |
| Residual Hexane | Headspace GC-FID | ≤ 25 ppm | ND | Pass |

Batch ID:

Hug -RASP-500-001

Test ID:

5423200.005

Reported:

26-Apr-2019

Method:

TM14

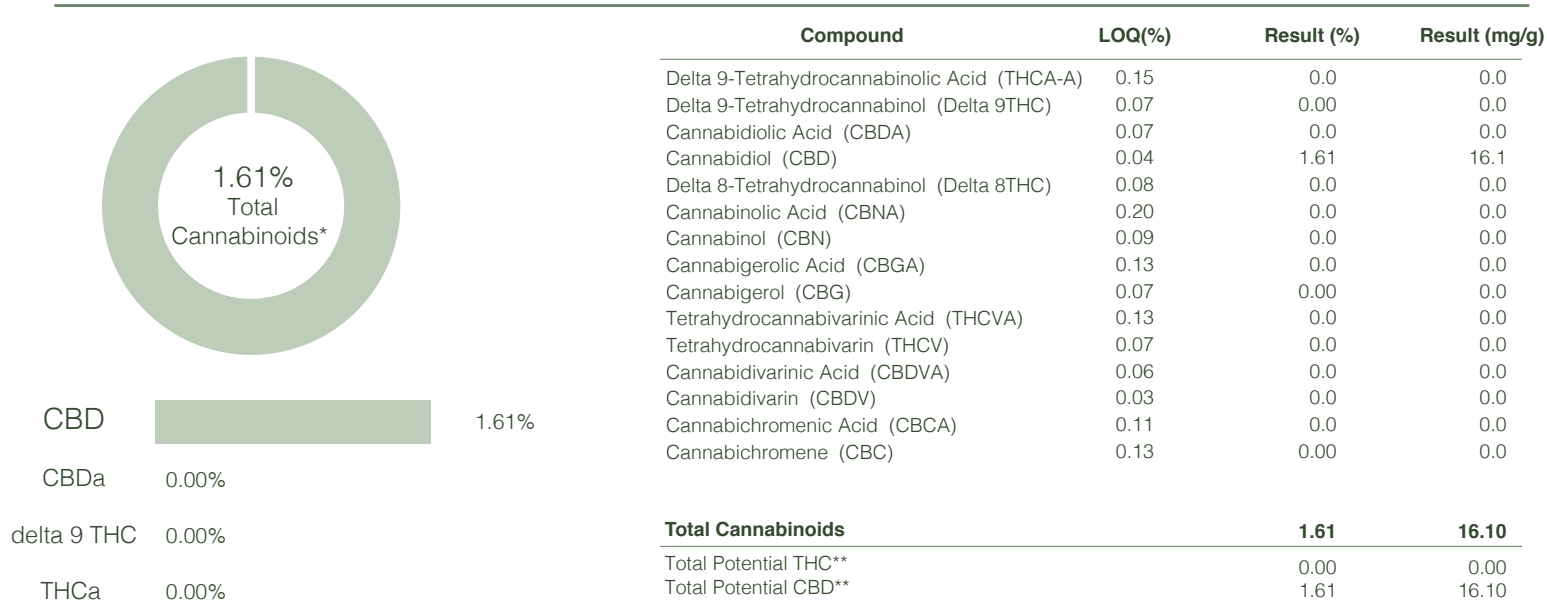
Type:

Concentrate

Test

Potency

CANNABINOID PROFILE



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

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

** Total Potential THC/CBD 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)) and Total CBD = CBD + (CBDa *(0.877))

NOTES

N/A

Pesticides

| Sample ID | Analyzed | Sample Description | Analysis | Result | Units | Method Code |
|-------------|-----------|--------------------|--------------------------|----------|-------|-------------|
| 1904904-004 | 4/24/2019 | Hug_Rasp500_001 | Salmonella spp. | Negative | /10g | Salm.1a |
| | 4/24/2019 | | Listeria spp. | Negative | /10g | List.2 |
| | 4/24/2019 | | Aerobic Plate Count | < 10 | CFU/g | APC.1a |
| | 4/24/2019 | | Totali Coliform Bacteria | < 10 | CFU/g | TC.1a |
| | 4/24/2019 | | Escherichia coli | < 10 | CFU/g | EC.1a |
| | 4/24/2019 | | Yeast and Mold | < 10 | CFU/g | Y&M.1a |

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All data in the following table is in parts per million (ppm)

| Sample | METRC # | Arsenic | Lead | Cadmium | Mercury |
|--------|---------|---------|------|---------|---------|
| 295973 | 00120 | ND | ND | ND | ND |

Notes: The State of Colorado mandates the following levels for heavy metals: Lead (1 ppm), Arsenic (0.4 ppm), Cadmium (0.4 ppm) and Mercury (0.2 ppm). This testing is for R&D purposed only.

Solvents

Date Lab Test:

06-Jun-2019

Lot Number:

IL19051-029

| Test | Methodology | Specification | Test Results | Pass/Fail |
|----------------------------|------------------|---------------|--------------|-----------|
| Residual Pentane | Headspace GC-FID | ≤ 500 ppm | < LOQ | Pass |
| Residual Acetone | Headspace GC-FID | ≤ 500 ppm | < LOQ | Pass |
| Residual Isopropyl Alcohol | Headspace GC-FID | ≤ 500 ppm | < LOQ | Pass |
| Residual Hexane | Headspace GC-FID | ≤ 25 ppm | ND | Pass |