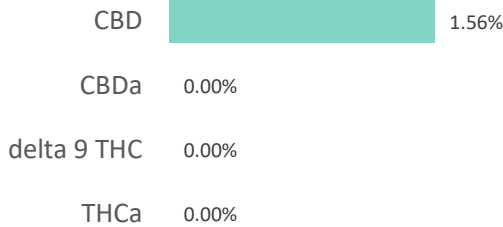
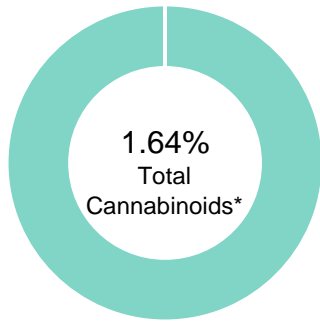


**Hugs Mango 500**

<b>Batch ID:</b>	F0004	<b>Test ID:</b>	2852812.0055
<b>Reported:</b>	6-Nov-2019	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.06	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.03	0.00	0.0
Cannabidiolic acid (CBDA)	0.09	0.00	0.0
Cannabidiol (CBD)	0.05	1.56	15.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.03	0.00	0.0
Cannabinolic Acid (CBNA)	0.08	0.00	0.0
Cannabinol (CBN)	0.04	0.00	0.0
Cannabigerolic acid (CBGA)	0.05	0.00	0.0
Cannabigerol (CBG)	0.03	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.05	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.03	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.08	0.00	0.0
Cannabidivarin (CBDV)	0.04	0.00	0.0
Cannabichromenic Acid (CBCA)	0.05	0.00	0.0
Cannabichromene (CBC)	0.05	0.08	0.8
<b>Total Cannabinoids</b>		<b>1.64</b>	<b>16.40</b>
Total Potential THC**		0.00	0.00
Total Potential CBD**		1.56	15.60

## NOTES:

N/A

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
**FINAL APPROVAL**


 Tyler Wiese  
6-Nov-2019  
6:25 PM

PREPARED BY / DATE



 David Green  
6-Nov-2019  
7:19 PM

APPROVED BY / DATE

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Certificate #4329.02

## Hugs Mango 500

<b>Batch ID:</b>	F0004	<b>Test ID:</b>	6804731.030
<b>Reported:</b>	6-Nov-2019	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		

## RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

## NOTES:

Free from visual mold, mildew, and foreign matter.

## FINAL APPROVAL



 Karen Winternheimer  
 6-Nov-2019  
 1:44 PM



 David Green  
 6-Nov-2019  
 1:47 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

**Hugs Mango 500**

<b>Batch ID:</b>	F0004	<b>Test ID:</b>	5278043.004
<b>Reported:</b>	9-Nov-2019	<b>Method:</b>	Edible - Test Methods: TM05, TM06
<b>Type:</b>	Edible		
<b>Test:</b>	Microbial Contaminants		

**MICROBIAL CONTAMINANTS**

<b>Contaminant</b>	<b>Result (CFU/g)*</b>
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b>E. coli</b>	None Detected
<b>Salmonella</b>	None Detected

\* CFU/g = Colony Forming Unit per Gram

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

Examples:  $10^2 = 100$  CFU  
 $10^3 = 1,000$  CFU  
 $10^4 = 10,000$  CFU  
 $10^5 = 100,000$  CFU

**NOTES:**


Free from visual mold, mildew, and foreign matter


TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

**FINAL APPROVAL**

  
Robert Belfon  
9-Nov-2019  
1:38 PM

  
Mike Branvold  
9-Nov-2019  
4:09 PM

PREPARED BY / DATE

APPROVED BY / DATE

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## Hugs Mango 500

<b>Batch ID:</b>	F0004	<b>Test ID:</b>	T000030912
<b>Reported:</b>	19-Nov-2019	<b>Method:</b>	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
<b>Type:</b>	Other		
<b>Test:</b>	Metals		

## HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

## FINAL APPROVAL

 Sam Smith  
19-Nov-2019  
3:07 PM

PREPARED BY / DATE

 David Green  
19-Nov-2019  
3:09 PM

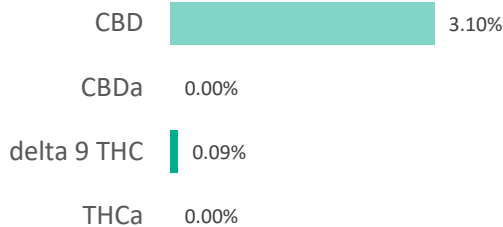
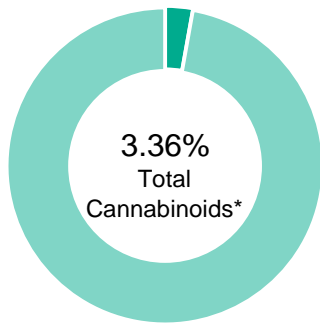
APPROVED BY / DATE

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## HUGS RASP. 1000

<b>Batch ID:</b>	F0001	<b>Test ID:</b>	2852812.0053
<b>Reported:</b>	6-Nov-2019	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		

## CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.06	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.03	0.09	0.9
Cannabidiolic acid (CBDA)	0.09	0.00	0.0
Cannabidiol (CBD)	0.05	3.10	31.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.04	0.00	0.0
Cannabinolic Acid (CBNA)	0.09	0.00	0.0
Cannabinol (CBN)	0.04	0.00	0.0
Cannabigerolic acid (CBGA)	0.06	0.00	0.0
Cannabigerol (CBG)	0.03	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.06	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.03	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.08	0.00	0.0
Cannabidivarin (CBDV)	0.05	0.00	0.0
Cannabichromenic Acid (CBCA)	0.05	0.00	0.0
Cannabichromene (CBC)	0.06	0.17	1.7
<b>Total Cannabinoids</b>		<b>3.36</b>	<b>33.60</b>
Total Potential THC**		0.09	0.90
Total Potential CBD**		3.10	31.00

## NOTES:

N/A

% = % (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.

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

## FINAL APPROVAL



 Tyler Wiese  
6-Nov-2019  
6:25 PM

PREPARED BY / DATE



 David Green  
6-Nov-2019  
7:19 PM

APPROVED BY / DATE

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Certificate #4329.02

## HUGS RASP. 1000

<b>Batch ID:</b>	F0001	<b>Test ID:</b>	6804731.032
<b>Reported:</b>	6-Nov-2019	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		

## RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

## NOTES:

Free from visual mold, mildew, and foreign matter.

## FINAL APPROVAL



 Karen Winternheimer  
 6-Nov-2019  
 1:44 PM



 David Green  
 6-Nov-2019  
 1:47 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

**HUGS RASP. 1000**

<b>Batch ID:</b>	F0001	<b>Test ID:</b>	5278043.005
<b>Reported:</b>	9-Nov-2019	<b>Method:</b>	Edible - Test Methods: TM05, TM06
<b>Type:</b>	Edible		
<b>Test:</b>	Microbial Contaminants		

**MICROBIAL CONTAMINANTS**

<b>Contaminant</b>	<b>Result (CFU/g)*</b>
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b>E. coli</b>	None Detected
<b>Salmonella</b>	None Detected

\* CFU/g = Colony Forming Unit per Gram


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

Examples:  $10^2 = 100$  CFU  
 $10^3 = 1,000$  CFU  
 $10^4 = 10,000$  CFU  
 $10^5 = 100,000$  CFU

**NOTES:**

Free from visual mold, mildew, and foreign matter  
TYM: None Detected  
Total Aerobic: None Detected  
Coliforms: None Detected

**FINAL APPROVAL**

  
Robert Belfon  
9-Nov-2019  
1:38 PM

  
Mike Branvold  
9-Nov-2019  
4:09 PM

PREPARED BY / DATE

APPROVED BY / DATE

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## HUGS RASP. 1000

<b>Batch ID:</b>	F0001	<b>Test ID:</b>	T000030928
<b>Reported:</b>	19-Nov-2019	<b>Method:</b>	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
<b>Type:</b>	Other		
<b>Test:</b>	Metals		

## HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

## FINAL APPROVAL

  
Sam Smith  
19-Nov-2019  
3:07 PM

PREPARED BY / DATE

  
David Green  
19-Nov-2019  
3:09 PM

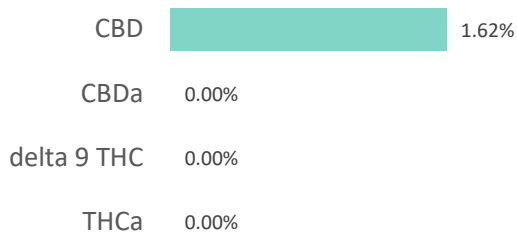
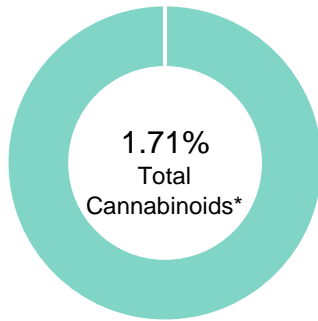
APPROVED BY / DATE

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**HUGS RASP. 500**

<b>Batch ID:</b>	F0002	<b>Test ID:</b>	2852812.0052
<b>Reported:</b>	6-Nov-2019	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.06	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.03	0.00	0.0
Cannabidiolic acid (CBDA)	0.08	0.00	0.0
Cannabidiol (CBD)	0.05	1.62	16.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.03	0.00	0.0
Cannabinolic Acid (CBNA)	0.08	0.00	0.0
Cannabinol (CBN)	0.04	0.00	0.0
Cannabigerolic acid (CBGA)	0.05	0.00	0.0
Cannabigerol (CBG)	0.03	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.05	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.03	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.08	0.00	0.0
Cannabidivarin (CBDV)	0.04	0.00	0.0
Cannabichromenic Acid (CBCA)	0.04	0.00	0.0
Cannabichromene (CBC)	0.05	0.09	0.9
<b>Total Cannabinoids</b>		<b>1.71</b>	<b>17.10</b>
Total Potential THC**		0.00	0.00
Total Potential CBD**		1.62	16.20

**NOTES:**

N/A

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
**FINAL APPROVAL**


 Tyler Wiese  
6-Nov-2019  
6:25 PM

PREPARED BY / DATE



 David Green  
6-Nov-2019  
7:19 PM

APPROVED BY / DATE

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Certificate #4329.02

## HUGS RASP. 500

<b>Batch ID:</b>	F0002	<b>Test ID:</b>	6804731.029
<b>Reported:</b>	6-Nov-2019	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		

## RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

## NOTES:

Free from visual mold, mildew, and foreign matter.

## FINAL APPROVAL



 Karen Winternheimer  
 6-Nov-2019  
 1:44 PM



 David Green  
 6-Nov-2019  
 1:47 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

## HUGS RASP. 500

<b>Batch ID:</b>	F0002	<b>Test ID:</b>	5278043.006
<b>Reported:</b>	9-Nov-2019	<b>Method:</b>	Edible - Test Methods: TM05, TM06
<b>Type:</b>	Edible		
<b>Test:</b>	Microbial Contaminants		

## MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b>E. coli</b>	None Detected
<b>Salmonella</b>	None Detected

\* CFU/g = Colony Forming Unit per Gram

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

Examples:  $10^2 = 100$  CFU  
 $10^3 = 1,000$  CFU  
 $10^4 = 10,000$  CFU  
 $10^5 = 100,000$  CFU

## NOTES:


Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

## FINAL APPROVAL

  
Robert Belfon  
9-Nov-2019  
1:38 PM

  
Mike Branvold  
9-Nov-2019  
4:09 PM

PREPARED BY / DATE

APPROVED BY / DATE

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## HUGS RASP. 500

<b>Batch ID:</b>	F0002	<b>Test ID:</b>	T000030932
<b>Reported:</b>	19-Nov-2019	<b>Method:</b>	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
<b>Type:</b>	Other		
<b>Test:</b>	Metals		

## HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

## FINAL APPROVAL

  
Sam Smith  
19-Nov-2019  
3:07 PM  
PREPARED BY / DATE

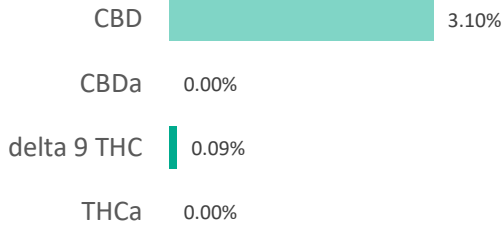
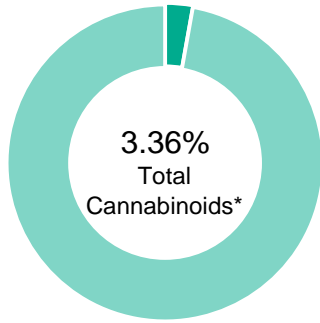
  
David Green  
19-Nov-2019  
3:09 PM  
APPROVED BY / DATE

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## Hugs Mango 1000

<b>Batch ID:</b>	F0003	<b>Test ID:</b>	2852812.0054
<b>Reported:</b>	6-Nov-2019	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		

## CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.07	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.03	0.09	0.9
Cannabidiolic acid (CBDA)	0.10	0.00	0.0
Cannabidiol (CBD)	0.05	3.10	31.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.04	0.00	0.0
Cannabinolic Acid (CBNA)	0.10	0.00	0.0
Cannabinol (CBN)	0.04	0.00	0.0
Cannabigerolic acid (CBGA)	0.06	0.00	0.0
Cannabigerol (CBG)	0.03	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.06	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.03	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.09	0.00	0.0
Cannabidivarin (CBDV)	0.05	0.00	0.0
Cannabichromenic Acid (CBCA)	0.05	0.00	0.0
Cannabichromene (CBC)	0.06	0.17	1.7
<b>Total Cannabinoids</b>		<b>3.36</b>	<b>33.60</b>
Total Potential THC**		0.09	0.90
Total Potential CBD**		3.10	31.00

## NOTES:

N/A

% = % (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.

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

## FINAL APPROVAL



 Tyler Wiese  
6-Nov-2019  
6:25 PM

PREPARED BY / DATE



 David Green  
6-Nov-2019  
7:19 PM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

## Hugs Mango 1000

<b>Batch ID:</b>	F0003	<b>Test ID:</b>	6804731.031
<b>Reported:</b>	6-Nov-2019	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		

## RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

## NOTES:

Free from visual mold, mildew, and foreign matter.

## FINAL APPROVAL



 Karen Winternheimer  
 6-Nov-2019  
 1:44 PM



 David Green  
 6-Nov-2019  
 1:47 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

**Hugs Mango 1000**

<b>Batch ID:</b>	F0003	<b>Test ID:</b>	5278043.003
<b>Reported:</b>	9-Nov-2019	<b>Method:</b>	Edible - Test Methods: TM05, TM06
<b>Type:</b>	Edible		
<b>Test:</b>	Microbial Contaminants		

**MICROBIAL CONTAMINANTS**

<b>Contaminant</b>	<b>Result (CFU/g)*</b>
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b>E. coli</b>	None Detected
<b>Salmonella</b>	None Detected

\* CFU/g = Colony Forming Unit per Gram

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

Examples:  $10^2 = 100$  CFU  
 $10^3 = 1,000$  CFU  
 $10^4 = 10,000$  CFU  
 $10^5 = 100,000$  CFU

**NOTES:**


Free from visual mold, mildew, and foreign matter


TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

**FINAL APPROVAL**

  
Robert Belfon  
9-Nov-2019  
1:38 PM

  
Mike Branvold  
9-Nov-2019  
4:09 PM

PREPARED BY / DATE

APPROVED BY / DATE

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## Hugs Mango 1000

<b>Batch ID:</b>	F0003	<b>Test ID:</b>	T000030908
<b>Reported:</b>	19-Nov-2019	<b>Method:</b>	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
<b>Type:</b>	Other		
<b>Test:</b>	Metals		

## HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

## FINAL APPROVAL

 Sam Smith  
19-Nov-2019  
3:07 PM

PREPARED BY / DATE

 David Green  
19-Nov-2019  
3:09 PM

APPROVED BY / DATE

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