



DEA No. RA0571996  
FL License # CMTL-0003  
CLIA No. 10D1094068

# Certificate of Analysis

## Compliance Test

**PUR ISOLABS LLC**  
46 FM 3351 N  
BERGHEIM, TEXAS 78004

Batch # EL0602182201H  
Batch Date: 2022-02-18  
Extracted From: Hemp

Test Reg State: Florida

Order # PUR220307-200001  
Order Date: 2022-03-07  
Sample # AAC0040

Sampling Date: 2022-03-08  
Lab Batch Date: 2022-03-08  
Completion Date: 2022-03-11

Initial Gross Weight: 9.619 g



Product Image

**Potency Tested**

**HHC Tested**

### Potency 20 (LCMS)

Specimen Weight: 54.790 mg

**Tested (LCMS)**

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBN	0.0669	0.000	49.010	4.901
Delta-8 THC	0.0000167286	0.000	6.080	0.608
CBT	0.00000702759	0.000	0.550	0.055
Delta-8 THCV	0.00000419627	0.000	0.150	0.015
THCA-A	0.00000302419	0.000	<LOQ	
THCVA	0.0181	0.000	<LOQ	
THCV	0.0000247525	0.000	<LOQ	
CBC	0.000038782	0.000	<LOQ	
Exo-THC	0.2856	0.000	<LOQ	
Delta-9 THCO-Acetate	0.0000193078	0.000	<LOQ	
CBCA	0.0203	0.000	<LOQ	
CBNA	0.0024	0.000	<LOQ	
CBL	0.00000805009	0.000	<LOQ	
CBGA	0.000000941094	0.000	<LOQ	
CBG	0.00000799858	0.000	<LOQ	
CBDVA	0.00000197368	0.000	<LOQ	
CBDV	0.00000195087	0.000	<LOQ	
CBDA	0.0000015553	0.000	<LOQ	
CBD	0.00000673989	0.000	<LOQ	
Delta-9 THC	0.0006	0.000	<LOQ	

### Potency Summary

Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN 4.901%
Other Cannabinoids 0.679%	Total Cannabinoids 5.580%

### HHC Summary

Analyte	Result (mg/g)	(%)	Total/Unit (mg)
Total HHC	944.099124	94.4099124%	0.00000

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

Aixia Sun  
D.H.Sc., M.Sc., B.Sc., MT (AAB)  
Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: \*Total CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.87), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*Total THCV = THCV + (THCVA \* 0.87), \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Total CBC = CBC + (CBCA \* 0.877), \*Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, \*Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, \*Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, \*Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, \*Measurement of Uncertainty = +/- 10%



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BERGHEIM, TEXAS 78004

Batch # EL0602182201H  
Batch Date: 2022-02-18  
Extracted From: Hemp

Test Reg State: Florida

Order # PUR220307-200001  
Order Date: 2022-03-07  
Sample # AAC0040

Sampling Date: 2022-03-08  
Lab Batch Date: 2022-03-08  
Completion Date: 2022-03-11

Initial Gross Weight: 9.619 g



## HHC

Specimen Weight: 46.460 mg

## Tested (LCMS)

Dilution Factor: 1.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	7.5E-5	359.335475	35.9335475	(±)9β-hydroxy-	7.5E-5	0.732046	0.0732046
(9S)-HHC	7.5E-5	584.031603	58.4031603	HHC			
				Total HHC	7.5E-5	944.099124	94.4099124

*Xueli Gao*  
Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

*Aixia Sun*  
Aixia Sun  
D.H.Sc., M.Sc., B.Sc., MT (AAB)  
Lab Director/Principal Scientist



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# Certificate of Analysis

## Compliance Test

**PUR ISOLABS LLC**  
 46 FM 3351 N  
 BERGHEIM, TEXAS 78004

Batch # GM00602182201H  
 Batch Date: 2022-02-18  
 Extracted From: Hemp

Test Reg State: Florida

Order # PUR220307-030001  
 Order Date: 2022-03-07  
 Sample # AAC0044

Sampling Date: 2022-03-08  
 Lab Batch Date: 2022-03-08  
 Completion Date: 2022-03-11

Initial Gross Weight: 9.748 g



Potency  
 Tested

HHC  
 Tested

Product Image

### Potency 20 (LCMS)

Specimen Weight: 54.610 mg

Tested  
 (LCMS)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBN	0.0669	0.000	5.760	0.576
Delta-8 THC	0.0000167286	0.000	2.840	0.284
CBT	0.00000702759	0.000	0.400	0.040
CBD	0.00000673989	0.000	0.040	0.004
THCA-A	0.00000302419	0.000	<LOQ	
THCVA	0.0181	0.000	<LOQ	
THCV	0.0000247525	0.000	<LOQ	
CBC	0.000038782	0.000	<LOQ	
Exo-THC	0.2856	0.000	<LOQ	
Delta-9 THCO-Acetate	0.0000193078	0.000	<LOQ	
CBCA	0.0203	0.000	<LOQ	
Delta-8 THCV	0.00000419627	0.000	<LOQ	
CBNA	0.0024	0.000	<LOQ	
CBL	0.00000805009	0.000	<LOQ	
CBGA	0.000000941094	0.000	<LOQ	
CBG	0.00000799858	0.000	<LOQ	
CBDVA	0.00000197368	0.000	<LOQ	
CBDV	0.00000195087	0.000	<LOQ	
CBDA	0.00000155533	0.000	<LOQ	
Delta-9 THC	0.0006	0.000	<LOQ	

### Potency Summary

Total THC None Detected	Total CBD 0.004%
Total CBG None Detected	Total CBN 0.576%
Other Cannabinoids 0.324%	Total Cannabinoids 0.903%

### HHC Summary

Analyte	Result (mg/g)	(%)	Total/Unit (mg)
Total HHC	863.389	86.3389%	0.00000

Xueli Gao  
 Lab Toxicologist  
 Ph.D., DABT

Aixia Sun  
 Lab Director/Principal Scientist  
 D.H.Sc., M.Sc., B.Sc., MT (AAB)



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Test Reg State: Florida

Order # PUR220307-030001  
Order Date: 2022-03-07  
Sample # AAC0044

Sampling Date: 2022-03-08  
Lab Batch Date: 2022-03-08  
Completion Date: 2022-03-11

Initial Gross Weight: 9.748 g



### HHC

Specimen Weight: 54.610 mg

### Tested (LCMS)

Dilution Factor: 1.000

Analyte	LOQ (%)	Result (mg/g)	(%) Analyte	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	7.5E-5	292.000000	29.2 (±)9β-hydroxy-HHC	7.5E-5	0.389000	0.0389
(9S)-HHC	7.5E-5	571.000000	57.1 Total HHC	7.5E-5	863.389000	86.3389

*Xueli Gao*  
Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

*Aixia Sun*  
Aixia Sun  
D.H.Sc., M.Sc., B.Sc., MT (AAB)  
Lab Director/Principal Scientist



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 BERGHEIM, TEXAS 78004

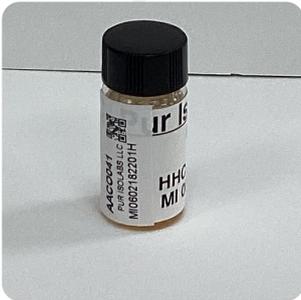
Batch # MI0602182201H  
 Batch Date: 2022-02-18  
 Extracted From: Hemp

Test Reg State: Florida

Order # PUR220307-200001  
 Order Date: 2022-03-07  
 Sample # AAC0041

Sampling Date: 2022-03-08  
 Lab Batch Date: 2022-03-08  
 Completion Date: 2022-03-11

Initial Gross Weight: 9.619 g



Product Image

Potency  
 Tested

HHC  
 Tested

### Potency 20 (LCMS)

Specimen Weight: 49.380 mg

Tested  
 (LCMS)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBN	0.0669	0.000	8.990	0.899
Delta-8 THC	0.0000167286	0.000	3.000	0.300
CBT	0.00000702759	0.000	0.520	0.052
CBD	0.00000673989	0.000	0.040	0.004
THCA-A	0.00000302419	0.000	<LOQ	
THCVA	0.0181	0.000	<LOQ	
THCV	0.0000247525	0.000	<LOQ	
CBC	0.000038782	0.000	<LOQ	
Exo-THC	0.2856	0.000	<LOQ	
Delta-9 THCO-Acetate	0.0000193078	0.000	<LOQ	
CBCA	0.0203	0.000	<LOQ	
Delta-8 THCV	0.00000419627	0.000	<LOQ	
CBNA	0.0024	0.000	<LOQ	
CBL	0.00000805009	0.000	<LOQ	
CBGA	0.000000941094	0.000	<LOQ	
CBG	0.00000799858	0.000	<LOQ	
CBDVA	0.00000197368	0.000	<LOQ	
CBDV	0.00000195087	0.000	<LOQ	
CBDA	0.0000015553	0.000	<LOQ	
Delta-9 THC	0.0006	0.000	<LOQ	

### Potency Summary

Total THC None Detected	Total CBD 0.004%
Total CBG None Detected	Total CBN 0.899%
Other Cannabinoids 0.353%	Total Cannabinoids 1.256%

### HHC Summary

Analyte	Result (mg/g)	(%)	Total/Unit (mg)
Total HHC	719.347	71.9347%	0.00000

Xueli Gao  
 Lab Toxicologist  
 Ph.D., DABT

Aixia Sun  
 Lab Director/Principal Scientist  
 D.H.Sc., M.Sc., B.Sc., MT (AAB)



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Test Reg State: Florida

Order # PUR220307-200001  
Order Date: 2022-03-07  
Sample # AAC0041

Sampling Date: 2022-03-08  
Lab Batch Date: 2022-03-08  
Completion Date: 2022-03-11

Initial Gross Weight: 9.619 g



### HHC

Specimen Weight: 58.070 mg

### Tested (LCMS)

Dilution Factor: 1.000

Analyte	LOQ (%)	Result (mg/g)	(%) Analyte	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	7.5E-5	248.000000	24.8 (±)9β-hydroxy-HHC	7.5E-5	0.347000	0.0347
(9S)-HHC	7.5E-5	471.000000	47.1 Total HHC	7.5E-5	719.347000	71.9347

*Xueli Gao*  
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Ph.D., DABT  
Lab Toxicologist

*Aixia Sun*  
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D.H.Sc., M.Sc., B.Sc., MT (AAB)  
Lab Director/Principal Scientist



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46 FM 3351 N  
BERGHEIM, TEXAS 78004

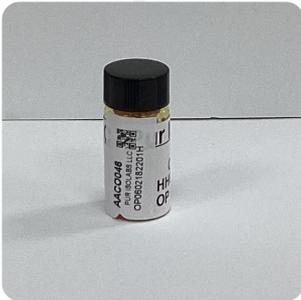
Batch # OP0602182201H  
Batch Date: 2022-02-18  
Extracted From: Hemp

Test Reg State: Florida

Order # PUR220307-030001  
Order Date: 2022-03-07  
Sample # AAC0046

Sampling Date: 2022-03-08  
Lab Batch Date: 2022-03-08  
Completion Date: 2022-03-11

Initial Gross Weight: 11.655 g



Product Image

**Potency Tested**

**HHC Tested**

### Potency 20 (LCMS)

Specimen Weight: 45.420 mg

**Tested (LCMS)**

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	0.0000167286	0.000	45.620	4.562
CBN	0.0669	0.000	6.130	0.613
CBT	0.00000702759	0.000	0.550	0.055
Delta-8 THCV	0.00000419627	0.000	0.280	0.028
THCA-A	0.00000302419	0.000	<LOQ	
THCVA	0.0181	0.000	<LOQ	
THCV	0.0000247525	0.000	<LOQ	
CBC	0.000038782	0.000	<LOQ	
Exo-THC	0.2856	0.000	<LOQ	
Delta-9 THCO-Acetate	0.0000193078	0.000	<LOQ	
CBCA	0.0203	0.000	<LOQ	
CBNA	0.0024	0.000	<LOQ	
CBL	0.00000805009	0.000	<LOQ	
CBGA	0.000000941094	0.000	<LOQ	
CBG	0.00000799858	0.000	<LOQ	
CBDVA	0.00000197368	0.000	<LOQ	
CBDV	0.00000195087	0.000	<LOQ	
CBDA	0.0000015553	0.000	<LOQ	
CBD	0.00000673989	0.000	<LOQ	
Delta-9 THC	0.0006	0.000	<LOQ	

### Potency Summary

Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN 0.613%
Other Cannabinoids 4.644%	Total Cannabinoids 5.257%

### HHC Summary

Analyte	Result (mg/g)	(%)	Total/Unit (mg)
Total HHC	824.728	82.4728%	0.00000

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

Aixia Sun  
D.H.Sc., M.Sc., B.Sc., MT (AAB)  
Lab Director/Principal Scientist



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DEA No. RA0571996  
FL License # CMTL-0003  
CLIA No. 10D1094068

## Certificate of Analysis

Compliance Test

**PUR ISOLABS LLC**  
46 FM 3351 N  
BERGHEIM, TEXAS 78004

Batch # OP0602182201H  
Batch Date: 2022-02-18  
Extracted From: Hemp

Test Reg State: Florida

Order # PUR220307-030001  
Order Date: 2022-03-07  
Sample # AAC0046

Sampling Date: 2022-03-08  
Lab Batch Date: 2022-03-08  
Completion Date: 2022-03-11

Initial Gross Weight: 11.655 g



### HHC

Specimen Weight: 45.420 mg

### Tested (LCMS)

Dilution Factor: 1.000

Analyte	LOQ (%)	Result (mg/g)	(%) Analyte	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	7.5E-5	234.000000	23.4 (±)9β-hydroxy-HHC	7.5E-5	0.728000	0.0728
(9S)-HHC	7.5E-5	590.000000	59 Total HHC	7.5E-5	824.728000	82.4728

*Xueli Gao*  
Xueli Gao  
Lab Toxicologist  
Ph.D., DABT

*Aixia Sun*  
Aixia Sun  
Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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CLIA No. 10D1094068

# Certificate of Analysis

## Compliance Test

**PUR ISOLABS LLC**  
46 FM 3351 N  
BERGHEIM, TEXAS 78004

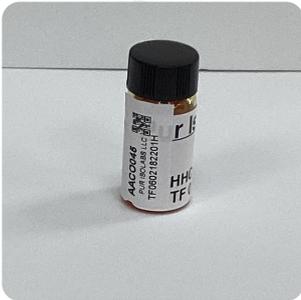
Batch # TF0602182201H  
Batch Date: 2022-02-18  
Extracted From: Hemp

Test Reg State: Florida

Order # PUR220307-030001  
Order Date: 2022-03-07  
Sample # AAC0045

Sampling Date: 2022-03-08  
Lab Batch Date: 2022-03-08  
Completion Date: 2022-03-11

Initial Gross Weight: 11.666 g



Product Image

Potency  
Tested

HHC  
Tested

### Potency 20 (LCMS)

Specimen Weight: 48.350 mg

Tested  
(LCMS)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	0.0000167286	0.000	32.710	3.271
CBN	0.0669	0.000	5.520	0.552
CBT	0.00000702759	0.000	0.490	0.049
Delta-8 THCV	0.00000419627	0.000	0.170	0.017
THCA-A	0.00000302419	0.000	<LOQ	
THCVA	0.0181	0.000	<LOQ	
THCV	0.0000247525	0.000	<LOQ	
CBC	0.000038782	0.000	<LOQ	
Exo-THC	0.2856	0.000	<LOQ	
Delta-9 THCO-Acetate	0.0000193078	0.000	<LOQ	
CBCA	0.0203	0.000	<LOQ	
CBNA	0.0024	0.000	<LOQ	
CBL	0.00000805009	0.000	<LOQ	
CBGA	0.000000941094	0.000	<LOQ	
CBG	0.00000799858	0.000	<LOQ	
CBDVA	0.00000197368	0.000	<LOQ	
CBDV	0.00000195087	0.000	<LOQ	
CBDA	0.0000015553	0.000	<LOQ	
CBD	0.00000673989	0.000	<LOQ	
Delta-9 THC	0.0006	0.000	<LOQ	

### Potency Summary

Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN 0.552%
Other Cannabinoids 3.338%	Total Cannabinoids 3.890%

### HHC Summary

Analyte	Result (mg/g)	(%)	Total/Unit (mg)
Total HHC	754.598	75.4598%	0.00000

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

Aixia Sun  
D.H.Sc., M.Sc., B.Sc., MT (AAB)  
Lab Director/Principal Scientist



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DEA No. RA0571996  
FL License # CMTL-0003  
CLIA No. 10D1094068

## Certificate of Analysis

Compliance Test

**PUR ISOLABS LLC**  
46 FM 3351 N  
BERGHEIM, TEXAS 78004

Batch # TF0602182201H  
Batch Date: 2022-02-18  
Extracted From: Hemp

Test Reg State: Florida

Order # PUR220307-030001  
Order Date: 2022-03-07  
Sample # AAC0045

Sampling Date: 2022-03-08  
Lab Batch Date: 2022-03-08  
Completion Date: 2022-03-11

Initial Gross Weight: 11.666 g



### HHC

Specimen Weight: 48.350 mg

### Tested (LCMS)

Dilution Factor: 1.000

Analyte	LOQ (%)	Result (mg/g)	(%) Analyte	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	7.5E-5	231.000000	23.1	(±)-9β-hydroxy-HHC	7.5E-5	0.598000
(9S)-HHC	7.5E-5	523.000000	52.3	Total HHC	7.5E-5	754.598000

*Xueli Gao*  
Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

*Aixia Sun*  
Aixia Sun  
D.H.Sc., M.Sc., B.Sc., MT (AAB)  
Lab Director/Principal Scientist



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# Certificate of Analysis

## Compliance Test

**PUR ISOLABS LLC**  
46 FM 3351 N  
BERGHEIM, TEXAS 78004

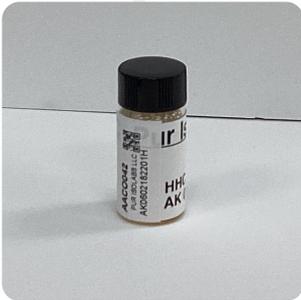
Batch # AK0602182201H  
Batch Date: 2022-02-18  
Extracted From: Hemp

Test Reg State: Florida

Order # PUR220307-200001  
Order Date: 2022-03-07  
Sample # AAC0042

Sampling Date: 2022-03-08  
Lab Batch Date: 2022-03-08  
Completion Date: 2022-03-11

Initial Gross Weight: 9.580 g



Product Image

Potency  
Tested

HHC  
Tested

### Potency 20 (LCMS)

Specimen Weight: 51.070 mg

Tested  
(LCMS)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBN	0.0669	0.000	35.050	3.505
Delta-8 THC	0.0000167286	0.000	11.520	1.152
CBT	0.00000702759	0.000	0.630	0.063
Delta-8 THCv	0.00000419627	0.000	0.310	0.031
THCA-A	0.00000302419	0.000	<LOQ	<LOQ
THCVA	0.0181	0.000	<LOQ	<LOQ
THCV	0.0000247525	0.000	<LOQ	<LOQ
CBC	0.000038782	0.000	<LOQ	<LOQ
Exo-THC	0.2856	0.000	<LOQ	<LOQ
Delta-9 THCO-Acetate	0.0000193078	0.000	<LOQ	<LOQ
CBCA	0.0203	0.000	<LOQ	<LOQ
CBNA	0.0024	0.000	<LOQ	<LOQ
CBL	0.00000805009	0.000	<LOQ	<LOQ
CBGA	0.000000941094	0.000	<LOQ	<LOQ
CBG	0.00000799858	0.000	<LOQ	<LOQ
CBDVA	0.00000197368	0.000	<LOQ	<LOQ
CBDV	0.00000195087	0.000	<LOQ	<LOQ
CBDA	0.0000015553	0.000	<LOQ	<LOQ
CBD	0.00000673989	0.000	<LOQ	<LOQ
Delta-9 THC	0.0006	0.000	<LOQ	<LOQ

### Potency Summary

Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN 3.505%
Other Cannabinoids 1.246%	Total Cannabinoids 4.751%

### HHC Summary

Analyte	Result (mg/g)	(%)	Total/Unit (mg)
Total HHC	527.683	52.7683%	0.00000

Xueli Gao  
Lab Toxicologist  
Ph.D., DABT

Aixia Sun  
Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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Compliance Test

**PUR ISOLABS LLC**  
46 FM 3351 N  
BERGHEIM, TEXAS 78004

Batch # AK0602182201H  
Batch Date: 2022-02-18  
Extracted From: Hemp

Test Reg State: Florida

Order # PUR220307-200001  
Order Date: 2022-03-07  
Sample # AAC0042

Sampling Date: 2022-03-08  
Lab Batch Date: 2022-03-08  
Completion Date: 2022-03-11

Initial Gross Weight: 9.580 g



## HHC

Specimen Weight: 54.190 mg

## Tested (LCMS)

Dilution Factor: 1.000

Analyte	LOQ (%)	Result (mg/g)	(%) Analyte	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	7.5E-5	211.000000	21.1 (±)9β-hydroxy-HHC	7.5E-5	0.683000	0.0683
(9S)-HHC	7.5E-5	316.000000	31.6 Total HHC	7.5E-5	527.683000	52.7683

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