



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

Certificate of Analysis

Compliance Test

TWISTED BRANDS LLC
4766 NORTH POWERLINE ROAD
COCONUT CREEK, FLORIDA 33073

Batch # 031522
Batch Date: 2022-03-15
Extracted From: Hemp

Test Reg State: Florida

Order # TWI220315-050001
Order Date: 2022-03-15
Sample # AAC0922

Sampling Date: 2022-03-16
Lab Batch Date: 2022-03-16
Completion Date: 2022-03-21

Initial Gross Weight: 2.304 g



Product Image

Potency
Tested

HHC
Tested



Potency 20 (LCMS)

Specimen Weight: 205.810 mg

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBDA	7.78E-8	7.5E-5	121.500	12.150
CBD	3.37E-7	7.5E-5	20.220	2.022
CBGA	4.71E-8	7.5E-5	11.130	1.113
CBCA	5.08E-7	7.5E-5	6.910	0.691
THCA-A	1.51E-7	7.5E-5	3.270	0.327
Delta-8 THC	8.36E-7	7.5E-5	2.010	0.201
CBG	1.94E-6	7.5E-5	1.660	0.166
CBG	4.0E-7	7.5E-5	1.010	0.101
CBDVA	9.87E-8	7.5E-5	0.430	0.043
Delta-8 THCV	2.1E-7	7.5E-5	0.380	0.038
THCV	1.24E-6	7.5E-5	0.120	0.012
Delta-9 THCO-Acetate	9.65E-7	7.5E-5	-LOQ	-LOQ
Exo-THC	3.57E-6	7.5E-5	-LOQ	-LOQ
CBT	3.51E-7	7.5E-5	-LOQ	-LOQ
THCVA	1.35E-6	7.5E-5	-LOQ	-LOQ
CBNA	8.95E-8	7.5E-5	-LOQ	-LOQ
CBN	1.25E-6	7.5E-5	-LOQ	-LOQ
CBL	4.03E-7	7.5E-5	-LOQ	-LOQ
CBDV	9.8E-8	7.5E-5	-LOQ	-LOQ
Delta-9 THC	2.98E-5	7.5E-5	-LOQ	-LOQ

Tested (LCMS)



Potency Summary

Total THC 0.286%	Total CBD 12.678%
Total CBG 1.077%	Total CBN None Detected
Other Cannabinoids 1.061%	Total Cannabinoids 15.102%



HHC Summary

Analyte	Result (mg/g)	(%)	Total/Unit (mg)
Total HHC	39.52	3.952%	0.00000

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)



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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HHC

Specimen Weight: 205.810 mg

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(LCMS)

Dilution Factor: 1.000

Analyte	LOQ (%)	Result (mg/g)	(%) Analyte	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	7.5E-5	19.3000	1.93 (±)-9β-hydroxy-HHC	7.5E-5	1.7200	0.172
(9S)-HHC	7.5E-5	18.5000	1.85 Total HHC	7.5E-5	39.5200	3.952

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

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Abba Sun Lab Director/Principal Scientist
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(9S)-HHC	7.5E-5	18.5000	1.85	7.5E-5	39.5200	3.952
			1.85 Total HHC			

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