



# CERTIFICATE OF ANALYSIS

Report Status: **RELEASED**Report Date: **01/21/2020**Sante Sample ID: **20A009**

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<b>Company Name:</b> 1937 Apothecary <b>Address:</b> 906 East 5 <sup>th</sup> Street, Austin, Suite 102, Texas 78702 <b>Phone Number:</b> 512-799-8710	<b>Contact Name:</b> Sarah Kerver <b>Contact Email:</b> info@1937apothecary.com <b>Purchase Order Number:</b> Verbal / Drop-Off
<b>Sample Name:</b> CBGA/CBG Pre-Roll <b>Sample Lot Number:</b> Not Provided <b>Sample Received:</b> 01/15/2020	<b>Sample/Product Description:</b> Pre-Roll <b>Sample/Product Type:</b> Flower <b>Sample Matrix:</b> Hemp Plant; ground

ANALYSIS	TEST METHOD	LOQ	SPECIFICATIONS	RESULTS	PASS/FAIL	
<b>Cannabinoids Assay</b>						
CBD	UHPLC-DAD	0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	0.261 w/w% 2.607 mg/g 2.344 mg/unit	Results Reported	
CBDa		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	4.726 w/w% 47.257 mg/g 42.481 mg/unit	Results Reported	
Δ9-THC		0.02 w/w%	w/w%: NMT 0.3 mg/g: NMT 3 mg/unit: Report Only	0.088 w/w% 0.878 mg/g 0.789 mg/unit	PASS	
THCa		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	0.217 w/w% 2.165 mg/g 1.946 mg/unit	Results Reported	
CBN		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	ND ND ND	N/A	
CBG		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	0.134 w/w% 1.338 mg/g 1.203 mg/unit	Results Reported	
CBGa		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	6.524 w/w% 65.236 mg/g 58.643 mg/unit	Results Reported	
CBDV		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	0.007 w/w% 0.069 mg/g 0.062 mg/unit	Results Reported	
CBDVa		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	0.043 w/w% 0.428 mg/g 0.384 mg/unit	Results Reported	
THCV		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	0.016 w/w% 0.159 mg/g 0.143 mg/unit	Results Reported	
THCVa		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	ND ND ND	N/A	
Δ8-THC		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	ND ND ND	N/A	
CBL		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	ND ND ND	N/A	
CBC		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	0.103 w/w% 1.034 mg/g 0.929 mg/unit	Results Reported	
CBCa		0.02 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	0.461 w/w% 4.407 mg/g 4.141 mg/unit	Results Reported	
<b>Moisture Content</b>						
Moisture		Loss on Drying (Halogen)	0.01 to 100%	Report Only	9.15%	Results Reported

For any questions related to this Certificate of Analysis please contact Customer Service at 512-800-9117

Released and Prepared by Sante Laboratories, LLC. Reported results refer exclusively to items tested.

**THIS CERTIFICATED MAY NOT BE REPRODUCED PARTIALLY WITHOUT WRITTEN PERMISSION BY SANTE LABORATORIES, LLC.**



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TESTING FACILITY INFORMATION	SAMPLE INFORMATION
<b>Sante Laboratories, LLC.</b> Hemp Testing Laboratory 8201 East Riverside Drive, Suite 650 Austin, Texas 78744 USA	<b>Sante Sample ID:</b> 20A009 <b>Receipt Date:</b> 01/15/2020 <b>Receipt Condition:</b> Good Condition / T. West <b>Start Date:</b> 01/15/2020

QUALITY ASSURANCE	
<b>Signature:</b>  <b>Date:</b> 01/21/2020	<b>Name:</b> Brian R. Sloat, Ph.D. <b>Title:</b> Quality Manager

ADDITIONAL REPORT NOTES
<p>Test method have been validated to meet regulatory standards. Total Potential THC = (THCa x 0.877) + (Δ9THC) + (Δ8THC). Total Potential CBD = (CBDa x 0.877) + (CBD). Total Cannabinoids is summation of all tested and detectable cannabinoids. Samples are gravimetrically prepared using qualified balances that are calibrated annually by Mettler-Toledo using NIST-traceable weights. Verification of calibration is performed routinely (e.g. weekly) using NIST-traceable to ensure safe and accurate weighting processes between manufacture performed calibration. Individual balances have been assigned minimum weights taking into consideration the balance and environmental conditions to ensure weighting complies with acceptable tolerances. Cannabinoids for hemp flower and trim is analyzed and reported as received unless requested otherwise. Unless otherwise specified, all QC samples performed within specifications established using validated test methods. Reported results refer exclusive to items tested and have been tested by Sante Laboratories, unless specified otherwise. <b>Test analysis was performed by an ISO/IEC 17025:2017 accredited laboratory.</b></p>

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	01/21/2020	Initial Release

LEGEND KEY	
<b>N/A:</b> Not Applicable <b>ND:</b> Not Detected <b>NMT:</b> No More Than <b>NLT:</b> No Less Than <b>LOD:</b> Limit of Detection <b>LOQ:</b> Limit of Quantitation <b>LFIR:</b> Laboratory Failure Investigation Report <b>RT:</b> Retention Time <b>RRT:</b> Relative Retention Time <b>USP:</b> United States Pharmacopeia <b>ID:</b> Identification <b>CV:</b> Coefficient of Variation <b>CFU:</b> Colony Forming Units <b>LR:</b> Lot Release	<b>LNCR:</b> Laboratory Non-Conformance Report <b>RP-UHPLC-DAD:</b> Reverse Phase Ultra High-Performance Liquid Chromatography with Diode Array Detector <b>MS/MS:</b> Mass Spectroscopy (Quadrupole) <b>PPM:</b> Parts Per Million <b>PPB:</b> Parts Per Billion <b>DLS:</b> Dynamic Light Scattering <b>MG:</b> Milligrams <b>G:</b> Grams <b>MCG:</b> Micrograms <b>NM:</b> Nanometers <b>PDI:</b> Polydispersity Index <b>ML:</b> Milliliters <b>ISO:</b> International Organization for Standardization