



# CERTIFICATE OF ANALYSIS

Report Status: **RELEASED**Report Date: **02/05/2020**Sante Sample ID: **20A034**

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<b>Company Name:</b> Restart CBD <b>Address:</b> 2521 Rutland Drive #150A; Austin, TX 78758 <b>Phone Number:</b> 512-843-7223	<b>Contact Name:</b> Shayda Torabi <b>Contact Email:</b> shayda@restartcbd.com <b>Purchase Order Number:</b> Verbal
<b>Sample Name:</b> Restart CBD Flower CBG <b>Sample Lot Number:</b> No Lot Number Provided <b>Sample Received:</b> 01/29/2020	<b>Sample/Product Description:</b> FLOWER <b>Sample/Product Type:</b> CBD <b>Sample Matrix:</b> HEMP (FINISHED)

ANALYSIS	TEST METHOD	LOQ	SPECIFICATIONS	RESULTS	PASS/NO PASS
<b>Cannabinoids Assay</b>					
CBD	UHPLC-DAD	0.0018 w/w%	Report Only	0.0184 w/w% 0.184 mg/g	Results Reported
CBDa		0.0018 w/w%	Report Only	0.0065 w/w% 0.065mg/g	Results Reported
Δ9-THC		0.0018 w/w%	NMT 0.3 w/w% NMT 3.0 mg/g	0.0486 w/w% 0.486 mg/g	PASS
THCa		0.0018 w/w%	Report Only	0.0770 w/w% 0.770 mg/g	Results Reported
CBGa		0.0018 w/w%	Report Only	12.0673 w/w% 120.673 mg/g	Results Reported
CBG		0.0018 w/w%	Report Only	0.2481 w/w% 2.481 mg/g	Results Reported
CBN		0.0018 w/w%	Report Only	ND	N/A
CBC		0.0018 w/w%	Report Only	0.0621 w/w% 0.621 mg/g	Results Reported
CBCa		0.0018 w/w%	Report Only	0.2908 w/w% 2.908 mg/g	Results Reported
CBL		0.0018 w/w%	Report Only	ND	N/A
CBDV		0.0018 w/w%	Report Only	ND	N/A
CBDVa		0.0018 w/w%	Report Only	ND	N/A
Δ8-THC		0.0018 w/w%	Report Only	ND	N/A
THCV		0.0018 w/w%	Report Only	0.0212 w/w% 0.212 mg/g	Results Reported
THCVa		0.0018 w/w%	Report Only	0.0045 w/w% 0.045 mg/g	Results Reported
<b>Moisture Content</b>					
Moisture (%)	Halogen Moisture Analyzer (Loss on Drying)	0.43% to 100%	Report Only	7.6%	Results Reported

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> 20A034 <b>Receipt Date:</b> 01/29/2020 <b>Receipt Condition:</b> Good Condition <b>Start Date:</b> 01/30/2020

QUALITY ASSURANCE	
DocuSigned by: <b>Signature:</b> <u>Brian Sloat</u> <b>Date:</b> <u>05 February 2020</u>	<b>Name:</b> <u>Brian R. Sloat, Ph.D.</u> <b>Title:</b> <u>Quality Manager</u>

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.

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<b>Sample Name:</b> Restart CBD Flower CBG <b>Sample Lot Number:</b> No Lot Number Provided <b>Sample Received:</b> 01/29/2020	<b>Sample/Product Description:</b> FLOWER <b>Sample/Product Type:</b> CBD <b>Sample Matrix:</b> HEMP (FINISHED)

## VERSION HISTORY

Version	Effective Date	Summary of Changes
00	02/05/2019	Initial Release

## ADDITIONAL REPORT NOTES

Test method have been validated to meet regulatory standards. Total Potential THC = (THCa x 0.877) + ( $\Delta$ 9THC) + ( $\Delta$ 8THC). 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. **Test analysis was performed by an ISO/IEC 17025:2017 accredited laboratory.**

## 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
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