



CERTIFICATE OF ANALYSIS

Report Status: **RELEASED**
 Report Date: **1/28/2020**
 Sante Sample ID: **20A016**
 Page 1 of 2

Company Name: Natural Doggie Address: 650 North Carriage Parkway; Wichita, KS 67208-4515 Phone Number: 866-448-0573	Contact Name: Casey Almanza Contact Email: info@naturaldoggie.com Purchase Order Number: N/A
Sample Name: 20A016 Sample Lot Number: No Lot Number Provided Sample Received: 1/20/2020	Sample/Product Description: Unlabeled Bag/Dog Treat Sample/Product Type: CBD Sample Matrix: Dog Treat

ANALYSIS	TEST METHOD	LOQ	SPECIFICATIONS	RESULTS	PASS/NO PASS
Cannabinoids Assay					
CBD	UHPLC-DAD	0.02 w/w%	Report Only	0.0547 w/w% 0.547 mg/g	Results Reported
CBDa		0.02 w/w%	Report Only	Not Detected	Results Reported
Δ9-THC		0.02 w/w%	NMT 0.3 w/w%	Not Detected	PASS
CBGa		0.02 w/w%	Report Only	Not Detected	Results Reported
Δ8-THC		0.02 w/w%	Report Only	Not Detected	Results Reported
THCa		0.02 w/w%	Report Only	Not Detected	Results Reported
CBG		0.02 w/w%	Report Only	Not Detected	Results Reported
CBN		0.02 w/w%	Report Only	Not Detected	Results Reported
CBC		0.02 w/w%	Report Only	Not Detected	Results Reported
CBCa		0.02 w/w%	Report Only	Not Detected	Results Reported
CBL		0.02 w/w%	Report Only	Not Detected	Results Reported
CBDV		0.02 w/w%	Report Only	<0.001 w/w% <0.01 mg/g	Results Reported
CBDVa		0.02 w/w%	Report Only	Not Detected	Results Reported
THCV		0.02 w/w%	Report Only	Not Detected	Results Reported
THCVa		0.02 w/w%	Report Only	Not Detected	Results Reported
Residual Solvent Screen					
Butanes	GC-FID	0.008 w/w%	500 ppm	Not Detected	PASS
Ethanol		0.008 w/w%	Report Only	Not Detected	Report Results
Heptanes		0.008 w/w%	500 ppm	Not Detected	PASS
Isobutane		0.008 w/w%	500 ppm	Not Detected	PASS
Pentane		0.008 w/w%	Report Only	Not Detected	Report Results
Propane		0.008 w/w%	500 ppm	Not Detected	PASS
Heavy Metals					
Lead	ICP-MS	5 ppb	Report Only	27.9 ppb	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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Mercury		3 ppb	Report Only	3.7 ppb	Results Reported
Arsenic		10 ppb	Report Only	30.0 ppb	Results Reported
Cadmium		3 ppb	Report Only	74.6 ppb	Results Reported

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Sante Laboratories, LLC. Hemp Testing Laboratory 8201 East Riverside Drive, Suite 650 Austin, Texas 78744 USA	Sante Sample ID: 20A016 Receipt Date: 1/20/2020 Receipt Condition: Good Condition Start Date: 1/21/2020

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	1/28/2020	Initial Release
01	1/30/2020	Per customer request, updated Company Name, Contact Name, and Contact Email. Removed microbiology test section.

QUALITY ASSURANCE	
Signature: <u>Brian Sloat</u> <small>DocuSigned by:</small> <small>51277B7C6EDA460</small> Date: <u>4 February 2020</u>	Name: <u>Brian R. Sloat, Ph.D.</u> Title: <u>Quality Manager</u>

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

ADDITIONAL REPORT NOTES
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.