SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
VetCS
6834 S University Blvd #225
Centennial, CO USA 80122

032923-Calming Peanut Butter 500mg-C0504-HM2020

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
103378	Various	Finished Product	
Reported:	**Started:**	**Received:**	
03Apr2023	31Mar2023	30Mar2023	

Microbial Contaminants - Colorado Compliance

Test ID: T000240156
Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10^0 CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10^0 CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10^2 CFU/g	$1.0x10^3$ - $1.5x10^5$	None Detected	
Total Coliforms*	TM27: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	

Final Approval

Eden Thompson-Wright
03Apr2023
04:33:00 PM MDT
PREPARED BY / DATE

Brett Hudson
04Apr2023
06:14:00 PM MDT
APPROVED BY / DATE

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032923-Calming Peanut Butter 500mg-C0504-HM2020

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 2 of 2
103378	Various	Finished Product	
Reported:	**Started:**	**Received:**	
03Apr2023	31Mar2023	30Mar2023	

Cannabinoids - Colorado Compliance

Test ID: T000240155
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	**LOD** (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	14.043	45.466	ND	ND	Amendment to T000240155 issued 02Apr2023 to correct product fill weight. # of Servings = 1 Sample Weight=227g
Cannabichromenic Acid (CBCA)	12.845	41.586	ND	ND	
Cannabidiol (CBD)	40.252	119.070	541.751	2.39	
Cannabidiolic Acid (CBDA)	41.285	122.124	ND	ND	
Cannabidivarin (CBDV)	9.520	28.161	ND	ND	
Cannabidivarinic Acid (CBDVA)	17.222	50.944	ND	ND	
Cannabigerol (CBG)	7.973	25.814	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	33.331	107.913	ND	ND	
Cannabinol (CBN)	10.402	33.677	ND	ND	
Cannabinolic Acid (CBNA)	22.741	73.626	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	39.709	128.563	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	36.063	116.759	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	31.952	103.448	ND	ND	
Tetrahydrocannabivarin (THCV)	7.252	23.480	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	28.183	91.246	ND	ND	
Total Cannabinoids			**541.751**	**2.39**	
Total Potential THC			ND	ND	
Total Potential CBD			541.751	2.39	

Final Approval

Sam Smith
06Apr2023
12:58:00 PM MDT
PREPARED BY / DATE

Karen Winternheimer
06Apr2023
01:01:00 PM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/6f8d769c-a580-4a9e-ba7a-e346ae421d38

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or – the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa *(0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

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