

CBGA Isolate R/D

PharmEx
 7725 crowly rd
 Rickreall, OR 97371
 971-901-8282

Harvest/Process Date:
Sample Date: 3/15/2022
Analysis Date: 3/22/2022
Report Date: 3/23/2022
Report ID: LS-220318-1

Client Batch ID:
Metric Batch ID:
Metric Sample ID:

Sample Type: Hemp Extract
Sample Plan:

Sample Procedure:
 160721_LAB-SOP_SampleCollection-v010

Potency

Potency Analysis Date: 3/22/2022
Potency Batch ID: CAN_032222_
Potency Method: JAOAC 2015.1

ND

Total THC

ND

Total CBD

Samples: BZB-NNJ-CTP



Analyte	Description	LOQ	RPD	Min.	Max.	Conc.	Unit: %
Δ9THC	Delta-9 Tetrahydrocannabinol	0.0010	-	-	-	ND	
THCA	Tetrahydrocannabinolic acid	0.0010	-	-	-	ND	
CBD	Cannabidiol	0.0010	-	-	-	ND	
CBDA	Cannabidiolic acid	0.0010	-	-	-	ND	
Δ8THC	Delta-8 Tetrahydrocannabinol*	0.0010	-	-	-	ND	
THCV	Tetrahydrocannabivarin*	0.0010	-	-	-	ND	
CBG	Cannabigerol*	0.0010	-	-	-	ND	
CBGA	Cannabigerolic acid*	0.0010	-	-	-	99.5	
CBC	Cannabichromene*	0.0010	-	-	-	ND	
CBCA	Cannabichromenic acid*	0.0010	-	-	-	1.10	
CBN	Cannabinol*	0.0010	-	-	-	ND	
Total THC	Δ9THC + (THCA × 0.877)		-	-	-	ND	
Total CBD	CBD + (CBDA × 0.877)		-	-	-	ND	
Total			-	-	-	101	



Aaron Troyer
 Chief Science Officer

This data cannot be used for OLCC or OHA compliance for usable marijuana or marijuana products and is provided for Research and Development purposes only.



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Potency Quality Control Data

Potency QC Analysis Date: 3/22/2022
 Potency QC Batch ID: CAN_032222_

Method: JAOAC 2015.1
 Unit: µg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Δ9THC	ND	0.0010	20.8	20.4	102	80 - 120	
THCA	ND	0.0010	20.9	20.8	100	80 - 120	
CBD	ND	0.0010	24.4	23.8	102	80 - 120	
CBDA	ND	0.0010	19.5	19.4	101	80 - 120	

POTENCY - LIMIT OF DETECTION

Verified: 060221

Method: 160819_LAB-SOP_MethodValidation-CannabinoidPotency-v002.docx

Matrix	Analyte	LOD (ppm)	LOD (mg/g)
EXTRACT	Δ9THC	2.8	0.0028
	THCA	0.56	0.00056
	CBD	2.22	0.00222
	CBDA	0.52	0.00052
FLOWER	Δ9THC	1.88	0.00188
	THCA	5.32	0.00532
	CBD	1.31	0.00131
	CBDA	0.78	0.00078

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Client Batch ID:
Metrac Batch ID:

Metrac Sample ID:

Sample Type: Hemp Extract
Sample Plan:

Sample Procedure:
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Qualifier Flag Descriptions

J	Reported result is an estimate - the value is less than the minimum calibration level but greater than the estimated detection limit (EDL)
U	The analyte was not detected in the sample at the estimated detection limit (EDL)
E	Exceeds calibration range
D	Dilution data - result was obtained from the analysis of a dilution
B	Analyte found in sample and associated blank
C	Co-eluting compound
R	Relative Percent Difference (RPD) outside control limits
NR	Analyte not reported because of problems in sample preparation or analysis
ND	Non-Detect
X	Results from reinjection/repeat/re-column data
EMC	Estimated maximum possible concentration - indicates that a peak is detected but did not meet the method required criteria
M	Manual integration
PS	Peaks split
HB	Control acceptance criteria are exceeded high and the associated sample is below the detection limit
LB	Control acceptance criteria are exceeded low and the associated sample exceeds the regulatory limit
ME	Marginal Exceedance
LR	Low Recovery Analyte
LOQ	Limit of Quantitation