

# Certificate of Analysis

Specimen #: -178-1

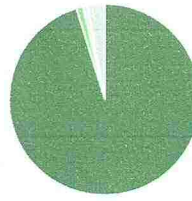
## White CBG

**Customer Name** Keystone Hemp Growers  
**Sample Type** Flower  
**Customer Lot #** 040-20  
**Metric ID** 1178-1  
**Parent Pkg ID** CBG White 040-20

## SUMMARY

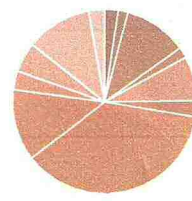
Water Activity	NOT TESTED	NOT TESTED		
Moisture	PASSED	12.22%	Heavy Metals	PASSED
Pesticides	PASSED		Mycotoxins	PASSED
Foreign Material	NOT TESTED		Microbials	NOT TESTED

## CANNABINOIDS



- CBDV
- CBDA
- CBGA
- CBG
- CBD
- THCV
- CBN
- D9-THC
- D8-THC
- CBC
- THCA
- THCVA
- CBNA
- CBCA

## TERPENES



- Alpha-Pinene
- Camphene
- beta-Myrcene
- beta-Pinene
- Ocimene
- alpha-Terpinene
- (R)-(+)-Limonene
- Eucalyptol
- gamma-Terpinene
- Terpinolene
- Linalool
- (-)-Isopulegol
- Geraniol
- trans-Caryophyllene
- alpha-Humulene
- (1S)-(+)-3-Carene
- cis-Nerolidol
- trans-Nerolidol
- Guaiol
- (-)-Caryophyllene oxide
- (-)-alpha-Bisabolol

CANNABINOIDS*		17.81%	TOTAL
Analyte	LOQ	Mass %	Mass mg/g
CBDV	0.08	ND	0.00
CBDA	0.08	<LOQ	0.00
CBGA	0.08	16.95	169.45
CBG	0.08	0.21	2.08
CBD	0.08	ND	0.00
THCV	0.08	ND	0.00
CBN	0.08	ND	0.00
D9-THC	0.08	ND	0.00
D8-THC	0.08	ND	0.00
CBC	0.08	ND	0.00
THCA	0.08	0.13	1.31
THCVA	0.08	ND	0.00
CBNA	0.08	ND	0.00
CBCA	0.08	0.52	5.22

\*Cannabinoids calculated by dry-weight - % / (1 - Moisture Content/100)

TERPENES		0.645%	TOTAL
Analyte	LOQ	Mass %	Mass mg/g
Alpha-Pinene	0.01	0.015	0.15
Camphene	0.01	0.011	0.11
beta-Myrcene	0.01	0.072	0.72
beta-Pinene	0.01	0.012	0.12
Ocimene	0.01	<LOQ	0
alpha-Terpinene	0.01	<LOQ	0
(R)-(+)-Limonene	0.01	0.050	0.5
Eucalyptol	0.01	ND	0
gamma-Terpinene	0.01	<LOQ	0
Terpinolene	0.01	<LOQ	0
Linalool	0.01	0.018	0.18
(-)-Isopulegol	0.01	ND	0
Geraniol	0.01	ND	0
trans-Caryophyllene	0.01	0.238	2.38
alpha-Humulene	0.01	0.081	0.81
(1S)-(+)-3-Carene	0.01	ND	0
cis-Nerolidol	0.01	0.021	0.21
trans-Nerolidol	0.01	ND	0
Guaiol	0.01	0.034	0.34
(-)-Caryophyllene oxide	0.01	ND	0
(-)-alpha-Bisabolol	0.01	0.075	0.75
p-isopropyltoluene	0.01	ND	0
alpha-Terpineol	0.01	0.018	0.18
beta-Elementene	0.01	ND	0
Azulene	0.01	ND	0
Sabinene	0.01	ND	0
Borneol	0.01	ND	0
Cedrol	0.01	ND	0
Fenchol	0.01	ND	0

## HEAVY METALS

Analyte	Result	Unit of Measure
Arsenic	<LOQ	ppm
Barium	6.060	ppm
Cadmium	<LOQ	ppm
Chromium	0.521	ppm
Lead	<LOQ	ppm
Mercury	<LOQ	ppm
Selenium	<LOQ	ppm
Silver	<LOQ	ppm

## MICROBIALS

Analyte	Result	Unit of Measure
Total Aerobic	NOT TESTED	CFU/g
Total Yeast and Mold	NOT TESTED	CFU/g
E. Coli	NOT TESTED	CFU/g
Salmonella	NOT TESTED	CFU/g

## MYCOTOXINS

Analyte	Result	Unit of Measure
Aflatoxin B1	ND	ppb
Aflatoxin B2	ND	ppb
Aflatoxin G1	ND	ppb
Aflatoxin G2	ND	ppb
Ochratoxin A	ND	ppb

## PESTICIDES

Analyte	Result	Unit of Measure	Analyte	Result	Unit of Measure	Analyte	Result	Unit of Measure
Abamectin	ND	ppm	Dimethoate	ND	ppm	Naled	ND	ppm
Acetamiprid	ND	ppm	Ethephon	ND	ppm	Oxamyl	ND	ppm
Aldicarb	ND	ppm	Etoxazole	ND	ppm	Paclobutrazol	ND	ppm
Ancymidol	ND	ppm	Fenpyroximate	ND	ppm	Permethrin, cis	ND	ppm
Azoxystrobin	ND	ppm	Fipronil	ND	ppm	Permethrin, trans	ND	ppm
Bifenazate	ND	ppm	Flonicamid	ND	ppm	Phosmet	ND	ppm
Bifenthrin	ND	ppm	Fludioxonil	ND	ppm	Piperonyl butoxide	ND	ppm
Boscalid	ND	ppm	Flurprimidol	ND	ppm	Propiconazole	ND	ppm
Carbaryl	ND	ppm	Hexythiazox	ND	ppm	Pyrethrins	ND	ppm
Carbofuran	ND	ppm	Imazalil	ND	ppm	Spinosyn A	ND	ppm
Chlorantraniliprole	ND	ppm	Imidacloprid	ND	ppm	Spinosyn D	ND	ppm
Chlorpyrifos	ND	ppm	Kresoxim-methyl	ND	ppm	Spiromesifen	ND	ppm
Clofentezine	ND	ppm	Malathion A	ND	ppm	Spirotetramat	ND	ppm
Cyfluthrin	ND	ppm	Metaxyl	ND	ppm	Thiacloprid	ND	ppm
Dichlorvos	ND	ppm	Methiocarb	ND	ppm	Thiamethoxam	ND	ppm
Daminozide	ND	ppm	Methomyl	ND	ppm	Trifloxystrobin	ND	ppm
Diazinon	ND	ppm	Myclobutanil	ND	ppm			

Sample collection methods and uncertainty of measurement associated with results reported in this certificate are available upon request. Cannabinoids measured by HPLC-UV. Terpenes measured by GCMS. Microbes measured by qPCR/culture-based methods. Mycotoxins and pesticides measured by LCMS. Heavy Metals analyzed by ICPMS. Water Activity measured by water activity meter; moisture content by LOD. Unless otherwise indicated, results were reviewed and verified by the Lab Director, and issuance of this CoA was authorized by the Lab Director. Action limits set according to MMCC Technical Authority for Medical Cannabis Testing, 15 November 2019. Results valid only for the exact material sampled and analyzed. Specimens stored in a cool, dry place if not analyzed immediately.

