



ROGUE RESEARCH LAB

Certificate of Analysis



Compliance test **Sample Strain** **2020 Batch 01 CBG**

Client Hart Fly Control

Address 5808 Redwood Highway, Grants Pass, OR

Sample ID 20112980718

Matrix Hemp Post-Harvest

Metric

Harvest/Prod Date Batch size 30 #

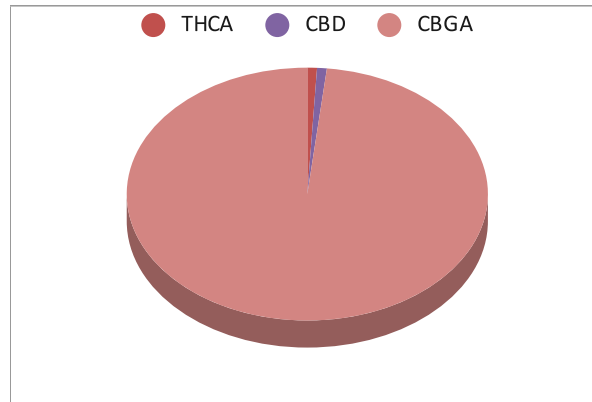
Report Created 11/29/2020 Results Valid Until 11/29/2021

Sample Extracted
11/20/20 10:10

Sample Analyzed
11/20/20 14:27

Cannabinoids **%Weight** **LOQ(% w/w)**

Δ9 THC	0.00	0.1
Total THC (THCA*0.877)+9THC	0.10	
Total CBD (CBDA*0.877)+CBD	0.12	
THCA	0.11	0.1
CBDA	0.00	0.1
CBD	0.12	0.1
CBN	0.00	0.1
‡ Δ8 THC	0.00	0.1
‡ CBC	0.00	0.1
‡ CBGA	13.07	0.1
‡ CBG	NR	0.1
Total Measured Cannabinoids	13.30	



Water Activity 0.57 Aw

Moisture 10.34 %

Potency RPD 3.48 % Pass

Potency QA	Recovery	LOQ (PPM)	Recovery limits
CBD	89	0.1	80-120
CBDA	93	0.1	80-120
Δ9 THC	96	0.1	80-120
THCA	105	0.1	80-120

Total THC and Total CBD are calculated values per OAR 333-064-0100. Cannabinoid values for plant matter samples are reported on a dry weight basis. Water activity action level is 0.65Aw. LOQ= Limit of Quantitation. NR=Not Reported ND= Not Detected above LOQ

Rogue Research Lab LLC
218 E. Main Street, Rogue River, OR
97537 541-582-1962
ORELAP 4107 OLCC 101050708B
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Craig Berry - Lab Director
11/29/2020



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Pesticides Batch 021128-01

Analyte	LOQ, PPM	Limit, PPM	Status	Analyte	LOQ, PPM	Limit, PPM	Status
Abamectin	0.250	0.500	Pass	Hexythiazox	0.500	1.000	Pass
Acephate	0.200	0.400	Pass	Imazalil	0.100	0.200	Pass
Acequinocyl	1.000	2.000	Pass	Imidacloprid	0.200	0.400	Pass
Acetamiprid	0.100	0.200	Pass	Kresoxim Methyl	0.200	0.400	Pass
Aldicarb	0.200	0.400	Pass	Malathion	0.100	0.200	Pass
Azoxystrobin	0.100	0.200	Pass	Metaxyl	0.100	0.200	Pass
Bifenazate	0.100	0.200	Pass	Methiocarb	0.100	0.200	Pass
Bifenthrin	0.100	0.200	Pass	Methomyl	0.200	0.400	Pass
Boscalid	0.200	0.400	Pass	Methyl Parathion	0.100	0.200	Pass
Carbaryl	0.100	0.200	Pass	MGK-264	0.100	0.200	Pass
Carbofuran	0.100	0.200	Pass	Myclobutanil	0.100	0.200	Pass
Chlorantraniliprole	0.100	0.200	Pass	Naled	0.500	1.000	Pass
Chlorfenapyr	0.500	1.000	Pass	Oxamyl	0.500	1.000	Pass
Chlorpyrifos	0.100	0.200	Pass	Paclobutrazol	0.200	0.400	Pass
Clofentezine	0.100	0.200	Pass	Permethrins	0.100	0.200	Pass
Cyfluthrin	0.500	1.000	Pass	Phosmet	0.100	0.200	Pass
Cypermethrin	0.500	1.000	Pass	Piperonyl Butoxide	1.000	2.000	Pass
Daminozide	0.500	1.000	Pass	Prallethrin	0.100	0.200	Pass
DDVP	0.500	1.000	Pass	Propiconazole	0.200	0.400	Pass
Diazinon	0.100	0.200	Pass	Propoxur	0.100	0.200	Pass
Dimethoate	0.100	0.200	Pass	Pyrethrins	0.500	1.000	Pass
Ethoprophos	0.100	0.200	Pass	Pyridaben	0.100	0.200	Pass
Etofenprox	0.200	0.400	Pass	Spinosad	0.100	0.200	Pass
Etoxazole	0.100	0.200	Pass	Spiromesifen	0.100	0.200	Pass
Fenoxycarb	0.100	0.200	Pass	Spirotetramat	0.100	0.200	Pass
Fenpyroximate	0.200	0.400	Pass	Spiroxamine	0.200	0.400	Pass
Fipronil	0.200	0.400	Pass	Tebuconazole	0.200	0.400	Pass
Flonicamid	0.500	1.000	Pass	Thiacloprid	0.100	0.200	Pass
Fludioxonil	0.200	0.400	Pass	Thiamethoxam	0.100	0.200	Pass
				Trifloxystrobin	0.100	0.200	Pass

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Pesticides				QC -Blank Batch 021128-01			
Analyte	LOQ, PPM	Limit, PPM	Status	Analyte	LOQ, PPM	Limit, PPM	Status
Abamectin	0.250	<LOQ	Pass	Hexythiazox	0.500	<LOQ	Pass
Acephate	0.200	<LOQ	Pass	Imazalil	0.100	<LOQ	Pass
Acequinocyl	1.000	<LOQ	Pass	Imidacloprid	0.200	<LOQ	Pass
Acetamiprid	0.100	<LOQ	Pass	Kresoxim Methyl	0.200	<LOQ	Pass
Aldicarb	0.200	<LOQ	Pass	Malathion	0.100	<LOQ	Pass
Azoxystrobin	0.100	<LOQ	Pass	Metalaxyl	0.100	<LOQ	Pass
Bifenazate	0.100	<LOQ	Pass	Methiocarb	0.100	<LOQ	Pass
Bifenthrin	0.100	<LOQ	Pass	Methomyl	0.200	<LOQ	Pass
Boscalid	0.200	<LOQ	Pass	Methyl Parathion	0.100	<LOQ	Pass
Carbaryl	0.100	<LOQ	Pass	MGK-264	0.100	<LOQ	Pass
Carbofuran	0.100	<LOQ	Pass	Myclobutanil	0.100	<LOQ	Pass
Chlorantraniliprole	0.100	<LOQ	Pass	Naled	0.500	<LOQ	Pass
Chlorfenapyr	0.500	<LOQ	Pass	Oxamyl	0.500	<LOQ	Pass
Chlorpyrifos	0.100	<LOQ	Pass	Paclobutrazol	0.200	<LOQ	Pass
Clofentezine	0.100	<LOQ	Pass	Permethrins	0.100	<LOQ	Pass
Cyfluthrin	0.500	<LOQ	Pass	Phosmet	0.100	<LOQ	Pass
Cypermethrin	0.500	<LOQ	Pass	Piperonyl Butoxide	1.000	<LOQ	Pass
Daminozide	0.500	<LOQ	Pass	Prallethrin	0.100	<LOQ	Pass
DDVP	0.500	<LOQ	Pass	Propiconazole	0.200	<LOQ	Pass
Diazinon	0.100	<LOQ	Pass	Propoxur	0.100	<LOQ	Pass
Dimethoate	0.100	<LOQ	Pass	Pyrethrins	0.500	<LOQ	Pass
Ethoprophos	0.100	<LOQ	Pass	Pyridaben	0.100	<LOQ	Pass
Etofenprox	0.200	<LOQ	Pass	Spinosad	0.100	<LOQ	Pass
Etoxazole	0.100	<LOQ	Pass	Spiromesifen	0.100	<LOQ	Pass
Fenoxycarb	0.100	<LOQ	Pass	Spirotetramat	0.100	<LOQ	Pass
Fenpyroximate	0.200	<LOQ	Pass	Spiroxamine	0.200	<LOQ	Pass
Fipronil	0.200	<LOQ	Pass	Tebuconazole	0.200	<LOQ	Pass
Flonicamid	0.500	<LOQ	Pass	Thiacloprid	0.100	<LOQ	Pass
Fludioxonil	0.200	<LOQ	Pass	Thiamethoxam	0.100	<LOQ	Pass
				Trifloxystrobin	0.100	<LOQ	Pass

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Pesticides QC -LCS Batch 021128-01

Analyte	%Recovery	LOQ, ppm	Recovery limits	Analyte	%Recovery	LOQ, ppm	Recovery limits
Abamectin	102.5	<LOQ	50-100	Hexythiazox	112.4	<LOQ	50-100
Acephate	105.4	<LOQ	50-100	Imazalil	58.1	<LOQ	50-100
Acequinocyl	94.8	<LOQ	50-100	Imidacloprid	109.5	<LOQ	50-100
Acetamiprid	141.8	<LOQ	50-100	Kresoxim Methyl	68.0	<LOQ	50-100
Aldicarb	83.1	<LOQ	50-100	Malathion	103.1	<LOQ	50-100
Azoxystrobin	103.7	<LOQ	50-100	Metalaxyl	110.7	<LOQ	50-100
Bifenazate	106.5	<LOQ	50-100	Methiocarb	90.3	<LOQ	50-100
Bifenthrin	101.8	<LOQ	50-100	Methomyl	102.1	<LOQ	50-100
Boscalid	135.4	<LOQ	50-100	Methyl Parathion	133.3	<LOQ	50-100
Carbaryl	115.9	<LOQ	50-100	MGK-264	145.7	<LOQ	50-100
Carbofuran	85.5	<LOQ	50-100	Myclobutanil	128.4	<LOQ	50-100
Chlorantraniliprole	84.6	<LOQ	50-100	Naled	98.5	<LOQ	50-100
Chlorfenapyr	63.3	<LOQ	50-100	Oxamyl	143.0	<LOQ	50-100
Chlorpyrifos	82.7	<LOQ	50-100	Paclobutrazol	55.0	<LOQ	50-100
Clofentezine	88.0	<LOQ	50-100	Permethrins	90.7	<LOQ	50-100
Cyfluthrin	120.8	<LOQ	50-100	Phosmet	99.8	<LOQ	50-100
Cypermethrin	98.7	<LOQ	50-100	Piperonyl Butoxide	121.0	<LOQ	50-100
Daminozide	88.4	<LOQ	50-100	Prallethrin	106.7	<LOQ	50-100
DDVP	84.6	<LOQ	50-100	Propiconazole	139.6	<LOQ	50-100
Diazinon	86.8	<LOQ	50-100	Propoxur	95.4	<LOQ	50-100
Dimethoate	94.1	<LOQ	50-100	Pyrethrins	98.4	<LOQ	50-100
Ethoprophos	93.5	<LOQ	50-100	Pyridaben	118.7	<LOQ	50-100
Etofenprox	97.5	<LOQ	50-100	Spinosad	101.9	<LOQ	50-100
Etoxazole	118.2	<LOQ	50-100	Spiromesifen	102.9	<LOQ	50-100
Fenoxycarb	100.2	<LOQ	50-100	Spirotetramat	113.9	<LOQ	50-100
Fenpyroximate	106.3	<LOQ	50-100	Spiroxamine	103.6	<LOQ	50-100
Fipronil	91.6	<LOQ	50-100	Tebuconazole	88.2	<LOQ	50-100
Flonicamid	86.6	<LOQ	50-100	Thiacloprid	95.1	<LOQ	50-100
Fludioxonil	72.6	<LOQ	50-100	Thiamethoxam	86.4	<LOQ	50-100
				Trifloxystrobin	89.6	<LOQ	50-100

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