



Certificate of Analysis

Report Jan 22 2020 8:48AM

Version 0

Sample Disposal 03/06/2020

Customer: Red Dirt Rx
P.O. Box 1399

License Number: GAAA-41RN-M7KD

Comments:

Sample Name: MAC-2003
Batch Number: 2.7429
Sample Type: Flower
Sample Num: 20OK000008
Sample Date: 12/17/2019
Sample Volume: 2.7429 g
Received Date: 1/6/2020
Received By: VanTassel, Cassy



Potency	Method	Result (%)	Result (mg/g)	LOD (mg/g)	Analyzed By	Date
CBC	HPLC	<0.12	<1.2	0.12	CV	1/22/2020
CBD	HPLC	ND	ND	0.12	CV	1/22/2020
CBDA	HPLC	ND	ND	0.11	CV	1/22/2020
CBDV	HPLC	ND	ND	0.09	CV	1/22/2020
CBG	HPLC	ND	ND	0.12	CV	1/22/2020
CBGA	HPLC	0.55	5.48	0.11	CV	1/22/2020
CBN	HPLC	ND	ND	0.08	CV	1/22/2020
d8-THC	HPLC	1.44	14.36	0.13	CV	1/22/2020
d9-THC	HPLC	ND	ND	0.11	CV	1/22/2020
THCA	HPLC	17.42	174.21	0.09	CV	1/22/2020
THCV	HPLC	ND	ND	0.13	CV	1/22/2020
Total Cannabinoids	HPLC	19.41	194.05		CV	1/22/2020
Total CBD = (CBDA*0.877+CBD)	HPLC	<0.22	<2.15	0.22	CV	1/22/2020
Total THC = (THCA*0.877+d9-THC)	HPLC	15.28	152.78	0.18	CV	1/22/2020

Terpene Profile	Method	Result (mg/g)	Result (%)	LOD (mg/g)	Analyzed By	Date
(-)-Isopulegol	GC-MS	ND	ND	0.01	RS	1/22/2020
α-Bisabolol	GC-MS	0.16	0.016	0.01	RS	1/22/2020
α-Cedrene	GC-MS	0.23	0.023	0.01	RS	1/22/2020

*ND - Below the LOD



Sample Num: 200K000008

α -Humulene	GC-MS	0.45	0.045	0.01	RS	1/22/2020
α -Pinene	GC-MS	0.79	0.079	0.01	RS	1/22/2020
α -Terpinene	GC-MS	0.55	0.055	0.01	RS	1/22/2020
α -Terpineol	GC-MS	0.42	0.042	0.02	RS	1/22/2020
alpha-terpinolene	GC-MS	14.46	1.446	0.02	RS	1/22/2020
β -Caryophyllene	GC-MS	1.47	0.147	0.01	RS	1/22/2020
β -Myrcene	GC-MS	2.32	0.232	0.01	RS	1/22/2020
β -Pinene	GC-MS	1.03	0.103	0.01	RS	1/22/2020
Camphene	GC-MS	0.06	0.006	0.01	RS	1/22/2020
Camphor	GC-MS	ND	ND	0.01	RS	1/22/2020
Cedrol	GC-MS	ND	ND	0.01	RS	1/22/2020
Ocimene	GC-MS	3.97	0.397	0.01	RS	1/22/2020
Nerolidol	GC-MS	0.18	0.018	0.02	RS	1/22/2020
Limonene	GC-MS	2.57	0.257	0.01	RS	1/22/2020
Eucalyptol	GC-MS	0.08	0.008	0.01	RS	1/22/2020
Fenchol	GC-MS	0.32	0.032	0.01	RS	1/22/2020
Fenchone	GC-MS	<0.04	<0.04	0.01	RS	1/22/2020
γ -Terpinene	GC-MS	0.36	0.036	0.01	RS	1/22/2020
Geraniol	GC-MS	<0.07	<0.07	0.02	RS	1/22/2020
Geranyl Acetate	GC-MS	<0.04	<0.04	0.01	RS	1/22/2020
Guaiol	GC-MS	ND	ND	0.01	RS	1/22/2020
Linalool	GC-MS	0.94	0.094	0.01	RS	1/22/2020
p-Cymene	GC-MS	0.05	0.005	0.01	RS	1/22/2020
Pulegone	GC-MS	ND	ND	0.01	RS	1/22/2020
Sabinene	GC-MS	0.23	0.023	0.01	RS	1/22/2020
Sabinene Hydrate	GC-MS	ND	ND	0.02	RS	1/22/2020
Valencene	GC-MS	0.19	0.019	0.01	RS	1/22/2020
Total Terpenes	GC-MS	30.83	3.083		RS	1/22/2020

Foreign Matter	Method	Result	Comment	Analyzed By	Date
Foreign Materials Inspection Results	Optical	Pass		CV	1/22/2020

					Analyzed
Moisture Content	Method	Result	Status	Analyzed By	Date
Moisture Content	%	13.8	Pass	RS	1/22/2020

Pesticides	Method	Result (ppm)	Action Level (ppm)	LOQ (ppm)	Status	Analyzed By	Date
Abamectin	LC-MS	ND	0.50	0.25	Pass	AP	1/22/2020

*ND - Below the LOD

All QC samples met requirements outlined in the SOPs. All results based on samples provided by customer. These results relate only to the sample included in this report. Test report may not be reproduced except in full, without the written approval of Demeter Labs
5401 N. Portland Ave, Suite 260, Oklahoma City, OK 73112 and 14524 Cantrell Road, Suite 100, Little Rock, AR 72223 (844)381-7873



Sample Num: 20OK000008

Azoxystrobin	LC-MS	ND	0.50	0.08	Pass	AP	1/22/2020
Bifenazate	LC-MS	ND	0.50	0.12	Pass	AP	1/22/2020
Etoazole	LC-MS	ND	0.50	0.12	Pass	AP	1/22/2020
Imazalil	LC-MS	ND	0.50	0.1	Pass	AP	1/22/2020
Imidacloprid	LC-MS	ND	0.50	0.09	Pass	AP	1/22/2020
Malathion	LC-MS	ND	0.50	0.13	Pass	AP	1/22/2020
Myclobutanil	LC-MS	ND	0.50	0.09	Pass	AP	1/22/2020
Permethrin	LC-MS	ND	.50	0.25	Pass	AP	1/22/2020
Spinosad	LC-MS	ND	0.50	0.08	Pass	AP	1/22/2020
Spiromesifen	LC-MS	ND	0.50	0.08	Pass	AP	1/22/2020
Spirotetramat	LC-MS	ND	0.50	0.16	Pass	AP	1/22/2020
Tebuconazole	LC-MS	ND	0.50	0.13	Pass	AP	1/22/2020

Heavy Metals	Method	Result (ug/kg)	Action Level (ug/kg)	LOQ (ug/kg)	Status	Analyzed By	Date
Arsenic	ICP-MS	ND	400	375	Pass	RS	1/22/2020
Cadmium	ICP-MS	ND	400	375	Pass	RS	1/22/2020
Lead	ICP-MS	ND	1000	936	Pass	RS	1/22/2020
Mercury	ICP-MS	ND	200	187	Pass	RS	1/22/2020

Approved by:

Laurence Niadj
Technical Manager

Cassy VanTassel
QA Manager

*ND - Below the LOD