



Certificate of Analysis

Sample: DE10128012-003
Harvest/Lot ID: 1A4000D0003A8B9000000062
Metric #: 1A4000D0003A8B9000001191
Seed to Sale #1A4000D0003A8B9000001191
Batch Date :01/22/21
Batch#: 1A4000D0003A8B9000000062
Sample Size Received: 1 gram
Retail Product Size: N/A
Ordered : 01/28/21
Sampled : 01/28/21
Completed: 02/04/21 Expires: 02/04/22
Sampling Method: SOP-024

Feb 04, 2021 | Grandpa's Family Farms*

License # 403H-103408
PO Box 19445,
Denver, CO, 80219

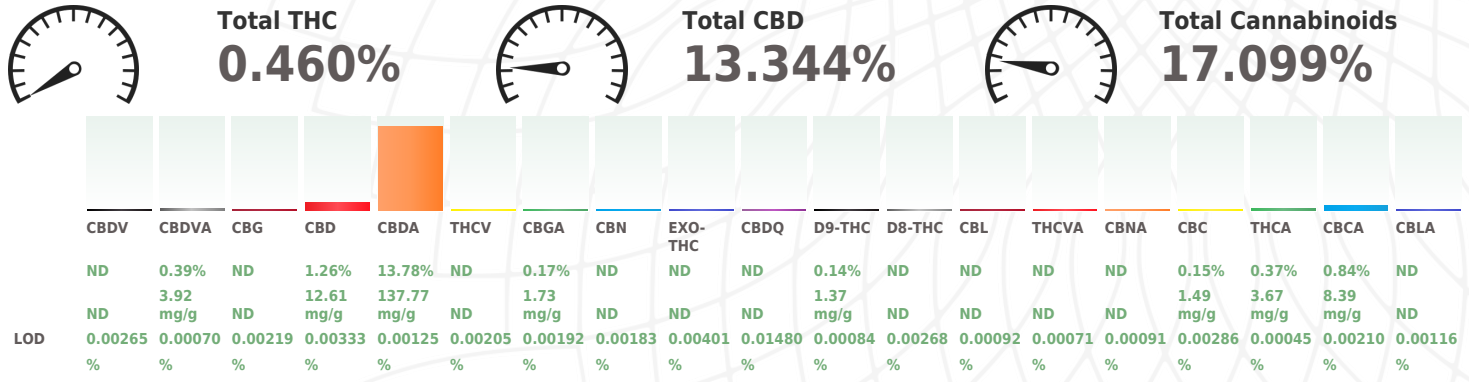
PASSED

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SAFETY RESULTS

Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filtration	Water Activity	Moisture	Homogeneity	Terpenes
NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	TESTED

CANNABINOID RESULTS



Cannabinoid Profile Test

Analyzed by 667	Weight 0.236g	Extraction date : 02/02/21 02:02:52	Extracted By : 667
Analysis Method -SOP-020 (R15)	Reviewed On - 02/02/21 15:38:14		Batch Date : 02/01/21 09:25:22
Analytical Batch -DE001457POT	Instrument Used : Agilent 1100 "Liger"		Running On : 02/01/21 18:38:59
Reagent	Dilution	Consums. ID	Consums. ID
111620.12	40	24161320	923C4-923AK
011421.R06		9214065	5079-525C6-525E
012821.R09		00302923	
020121.R06		R0BB28597	
		280674667	
		12054-036CC-036	

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with DAD detection (HPLC-UV). Method SOP-022 (R13) for reporting. Lower limit of linearity for all cannabinoids is 1 mg/L.

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Stephen Goldman
Lab Director
State License #
405R-00011 405-00008
ISO Accreditation # 4331.01

Signature

02/04/2021
Signed On



Certificate of Analysis

PASSED

Grandpa's Family Farms*

PO Box 19445,
Denver, CO, 80219
Telephone: 3037182742
Email: scott.mertz@hotmail.com
License #: 403H-103408

Sample : DE10128012-003

Harvest/LOT ID: 1A4000D0003A8B9000000062

Batch# : 1A4000D0003A8B9000000062 Sample Size Received : 1 gram
Completed : 02/04/21 Expires: 02/04/22
Sampled : 01/28/21 Sample Method : SOP-024
Ordered : 01/28/21

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Terpenes

TESTED

Terpenes	LOD	Units	Result (%)	Terpenes	LOD	Units	Result (%)
ALPHA-PINENE	0.002	%	0.052				
CAMPHENE	0.002	%	ND				
BETA-PINENE	0.002	%	0.074				
MYRCENE	0.002	%	1.504				
DELTA-3-CARENE	0.002	%	ND				
ALPHA-TERPINENE	0.002	%	ND				
P-CYMENE	0.002	%	ND				
LIMONENE	0.002	%	0.383				
EUCALYPTOL	0.002	%	ND				
CIS-OCIMENE	0.002	%	<0.020				
GAMMA-TERPINENE	0.002	%	ND				
TERPINOLENE	0.002	%	<0.020				
LINALOOL	0.002	%	0.027				
(-)-ISOPULEGOL	0.002	%	ND				
BORNEOL	0.002	%	ND				
MENTHOL	0.002	%	ND				
ALPHA-TERPINEOL	0.002	%	ND				
PULEGONE	0.002	%	ND				
GERANIOL	0.002	%	ND				
2-ETHYL-FENCHOL	0.002	%	ND				
BETA-CARYOPHYLLENE	0.002	%	1.081				
HUMULENE	0.002	%	0.303				
BISABOLENE	0.002	%	ND				
NEROLIDOL	0.002	%	<0.020				
(-)-CARYOPHYLLENE OXIDE	0.002	%	0.058				
(-)-GUAIOL	0.002	%	0.254				
(-)-ALPHA-BISABOLOL	0.002	%	0.187				
Total		3.926					



Terpenes

TESTED

Analyzed by 7 Weight 0.236g Extraction date NA Extracted By NA
Analysis Method -SOP-067 (R0) Analytical Batch -DE001460TER Reviewed On - 02/04/21 13:00:55
Instrument Used : GC 6890 Running On : Batch Date : 02/01/21 14:33:45

Reagent Dilution Consums. ID
40

Terpenoid profile screening is performed by GC-FID with liquid injection via SOP-067 (R0) which can screen for 28 terpenes.

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Signature

02/04/2021

Signed On