



Certificate of Analysis

PASSED

MVTL (Minnesota Valley Testing Labs)

1126 North Front Street,
New Ulm, MN, 56073
Telephone: 507-276-4061
Email: msmoley@mvtl.com
License #: 403H-103408

Sample : DE10318040-001

Harvest/LOT ID: 1A4000D0003A8B9000000064

Batch# : R&D

Sample Size Received : 1 gram

Sampled : 03/18/21

Total Weight/Volume : N/A

Ordered : 03/18/21

Completed : 03/22/21 Expires: 03/22/22


Sample Method : SOP-024

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Terpenes

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Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-PINENE	0.002	139.122	13.912						
CAMPHENE	0.002	3.550	0.355						
BETA-PINENE	0.002	52.535	5.253						
MYRCENE	0.002	236.378	23.637						
DELTA-3-CARENE	0.002	ND	ND						
ALPHA-TERPINENE	0.002	ND	ND						
P-CYMENE	0.002	ND	ND						
LIMONENE	0.002	69.303	6.930						
EUCALYPTOL	0.002	4.131	0.413						
CIS-OCIMENE	0.002	11.495	1.149						
GAMMA-TERPINENE	0.002	2.099	0.209						
TERPINOLENE	0.002	1.716	0.171						
LINALOOL	0.002	5.450	0.545						
(-)-ISOPULEGOL	0.002	ND	ND						
BORNEOL	0.002	< 0.4	< 0.040						
MENTHOL	0.002	ND	ND						
ALPHA-TERPINEOL	0.002	< 0.2	< 0.020						
PULEGONE	0.002	ND	ND						
GERANIOL	0.002	ND	ND						
2-ETHYL-FENCHOL	0.002	ND	ND						
BETA-CARYOPHYLLENE	0.002	310.824	31.082						
HUMULENE	0.002	108.217	10.821						
BISABOLENE	0.002	ND	ND						
NEROLIDOL	0.002	2.820	0.282						
(-)-CARYOPHYLLENE OXIDE	0.002	18.495	1.849						
(-)-GUAJOL	0.002	ND	ND						
(-)-ALPHA-BISABOLOL	0.002	23.248	2.324						
Total (%)		98.939							



Terpenes

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Analyzed by 667 Weight 0.1702g Extraction date 03/19/21 02:03:20 Extracted By 1253

Analysis Method -SOP-067 (R0)
Analytical Batch -DE001640TER Reviewed On - 03/22/21 14:53:05
Instrument Used : GC 6890
Running On :
Batch Date : 03/19/21 12:45:55

Reagent	Dilution	Consums. ID
031821.R12	200	24161320 00302923 12123-046CC-046 5079-525C6-525E

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

This report shall not be reproduced, unless in its entirety, without written approval from Phytatech Labs. This report is an Phytatech Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

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


Signature

03/30/2021
Signed On