

REPORT NO.  
C23012-92049

# A & L Canada Laboratories Inc.



ACCOUNT NUMBER  
01770

2136 Jetstream Road, London, ON, N5V 3P5 Tel: (519) 457-2575 Fax: (519) 457-2664

TO:LUNE RISE FARMS INC.  
1002 CONCESSION 8  
PO BOX 680  
TEESWATER, ON N0G 2S0  
hereinafter the "Recipient"

ATTN:Marty Johnston  
Phone:416-723-7367

## CERTIFICATE OF ANALYSIS

PAGE: 1 / 10

CATEGORY:Potency  
PO#:Marty Johnston  
LAB NUMBER:129295  
SAMPLE ID:CC0123001  
STRAIN:

SAMPLE MATRIX:Dried Cannabis  
DATE SAMPLED:2023-01-10  
DATE RECEIVED:2023-01-12  
DATE REPORTED:2023-01-19  
DATE PRINTED:2023-01-19

Cannabinoid Profile	RESULT		LOQ		METHOD REFERENCE
	% w/w	mg/g	% w/w	mg/g	
CBC	<LOQ	<LOQ	0.05	0.5	ORG-M-071
CBCA	0.46	4.6	0.33	3.3	ORG-M-071
CBD	<LOQ	<LOQ	0.05	0.5	ORG-M-071
CBDA	0.05	0.5	0.05	0.5	ORG-M-071
CBDV	<LOQ	<LOQ	0.05	0.5	ORG-M-071
CBDVA	<LOQ	<LOQ	0.05	0.5	ORG-M-071
CBG	0.09	0.9	0.05	0.5	ORG-M-071
CBGA	1.12	11.2	0.05	0.5	ORG-M-071
CBL	<LOQ	<LOQ	0.05	0.5	ORG-M-071
CBN	<LOQ	<LOQ	0.05	0.5	ORG-M-071
CBNA	<LOQ	<LOQ	0.05	0.5	ORG-M-071
Delta 8-THC	<LOQ	<LOQ	0.05	0.5	ORG-M-071
THC	2.44	24.4	0.05	0.5	ORG-M-071
THCA	22.55	225.5	0.05	0.5	ORG-M-071
THCV	0.12	1.2	0.05	0.5	ORG-M-071
THCVA	0.87	8.7	0.05	0.5	ORG-M-071
Total CBD	0.05	0.5	0.05	0.5	ORG-M-071
Total THC	22.22	222.2	0.05	0.5	ORG-M-071

Terpenes Scan	RESULT		LOQ		METHOD REFERENCE
	% w/w	mg/g	% w/w	mg/g	
#Total Terpenes	1.411	14.11	0.005	0.05	ORG-M-072
alpha-Bisabolol	0.051	0.51	0.005	0.05	ORG-M-072
Alpha-Cedrene	<LOQ	<LOQ	0.005	0.05	ORG-M-072
alpha-Humulene	0.183	1.83	0.005	0.05	ORG-M-072
alpha-Phellandrene	0.006	0.06	0.005	0.05	ORG-M-072
alpha-Pinene	<LOQ	<LOQ	0.005	0.05	ORG-M-072

LOQ - Limit of Quantification

The results of this report relate to the sample submitted and analyzed. All results are released based on acceptable QC data.

Results Authorized By:

Haifeng Song, Ph.D., C.Chem.  
Lab Director



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hereinafter the "Recipient"

ATTN: Marty Johnston  
Phone: 416-723-7367

## CERTIFICATE OF ANALYSIS

PAGE: 2 / 10

CATEGORY: Potency  
PO#: Marty Johnston  
LAB NUMBER: 129295  
SAMPLE ID: CC0123001  
STRAIN:

SAMPLE MATRIX: Dried Cannabis  
DATE SAMPLED: 2023-01-10  
DATE RECEIVED: 2023-01-12  
DATE REPORTED: 2023-01-19  
DATE PRINTED: 2023-01-19

Terpenes Scan	RESULT		LOQ		METHOD REFERENCE
	% w/w	mg/g	% w/w	mg/g	
alpha-Terpinene	0.008	0.08	0.005	0.05	ORG-M-072
alpha-Terpineol	0.054	0.54	0.005	0.05	ORG-M-072
beta-Caryophyllene	0.507	5.07	0.005	0.05	ORG-M-072
beta-Myrcene	0.019	0.19	0.005	0.05	ORG-M-072
beta-Ocimene	0.039	0.39	0.005	0.05	ORG-M-072
beta-Pinene	0.009	0.09	0.005	0.05	ORG-M-072
Borneol	<LOQ	<LOQ	0.01	0.1	ORG-M-072
Camphene	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Camphor	<LOQ	<LOQ	0.015	0.15	ORG-M-072
Caryophyllene oxide	0.055	0.55	0.005	0.05	ORG-M-072
Cedrol	<LOQ	<LOQ	0.005	0.05	ORG-M-072
cis-Nerolidol	<LOQ	<LOQ	0.005	0.05	ORG-M-072
d-Limonene	<LOQ	<LOQ	0.05	0.5	ORG-M-072
delta-3-Carene	<LOQ	<LOQ	0.05	0.5	ORG-M-072
E-beta-Farnesene	0.073	0.73	0.013	0.13	ORG-M-072
Eucalyptol	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Fenchol	0.028	0.28	0.005	0.05	ORG-M-072
Fenchone	<LOQ	<LOQ	0.01	0.1	ORG-M-072
gamma-Terpinene	0.008	0.08	0.005	0.05	ORG-M-072
Geraniol	<LOQ	<LOQ	0.05	0.5	ORG-M-072
Geranyl acetate	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Guaiol	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Isoborneol	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Isopulegol	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Linalool	0.031	0.31	0.005	0.05	ORG-M-072
Menthol	<LOQ	<LOQ	0.05	0.5	ORG-M-072
Nerol	<LOQ	<LOQ	0.005	0.05	ORG-M-072

LOQ - Limit of Quantification

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Results Authorized By:

Haifeng Song, Ph.D., C.Chem.  
Lab Director



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PO BOX 680  
TEESWATER, ON N0G 2S0  
hereinafter the "Recipient"

ATTN:Marty Johnston  
Phone:416-723-7367

## CERTIFICATE OF ANALYSIS

PAGE: 3 / 10

CATEGORY:Potency  
PO#:Marty Johnston  
LAB NUMBER:129295  
SAMPLE ID:CC0123001  
STRAIN:

SAMPLE MATRIX:Dried Cannabis  
DATE SAMPLED:2023-01-10  
DATE RECEIVED:2023-01-12  
DATE REPORTED:2023-01-19  
DATE PRINTED:2023-01-19

Terpenes Scan	RESULT		LOQ		METHOD REFERENCE
	% w/w	mg/g	% w/w	mg/g	
p-Cymene	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Pulegone	<LOQ	<LOQ	0.05	0.5	ORG-M-072
Sabinene	0.013	0.13	0.005	0.05	ORG-M-072
Sabinene hydrate	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Terpinolene	0.157	1.57	0.005	0.05	ORG-M-072
trans-Nerolidol	0.054	0.54	0.005	0.05	ORG-M-072
Valencene	0.070	0.70	0.005	0.05	ORG-M-072

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CATEGORY:Contamination  
PO#:Marty Johnston  
LAB NUMBER:129295  
SAMPLE ID:CC0123001  
STRAIN:

SAMPLE MATRIX:Dried Cannabis  
DATE SAMPLED:2023-01-10  
DATE RECEIVED:2023-01-12  
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Regulated Heavy Metals	RESULT	UNIT	LOQ	METHOD REFERENCE
Arsenic (As)	<LOQ	ppm	0.100	USP 233/EP 2.4.20
Cadmium (Cd)	<LOQ	ppm	0.100	USP 233/EP 2.4.20
Lead (Pb)	<LOQ	ppm	0.250	USP 233/EP 2.4.20
Mercury (Hg)	<LOQ	ppm	0.050	USP 233/EP 2.4.20
Aflatoxins	RESULT	UNIT	LOQ	METHOD REFERENCE
Aflatoxin B1	<LOQ	ppb	1	USP 561 (mod)
Aflatoxin B2	<LOQ	ppb	1	USP 561 (mod)
Aflatoxin G1	<LOQ	ppb	1	USP 561 (mod)
Aflatoxin G2	<LOQ	ppb	1	USP 561 (mod)
Total Aflatoxins	<LOQ	ppb	4	USP 561 (mod)
Microbiological Scan	RESULT	UNIT	LOQ	METHOD REFERENCE
Bile-Tolerant Gram Negative Bacteria	<10	CFU/g	10	USP62/EP2.6.13
E. coli	Negative	P.A/g(ml)	1	USP62/EP2.6.13
Pseudomonas aeruginosa	Negative	P-A/g	1	USP62/EP2.6.13
Salmonella spp.	Negative	P-A/10.0g	1 CFU	USP62/EP2.6.13
Staphylococcus aureus	Negative	P-A/g	1	USP62/EP2.6.13
Total Aerobic Microbial Count	<100	CFU/g	100	USP61/EP2.6.12
Total Yeasts & Moulds	<100	CFU/g	100	USP61/EP2.6.12
Miscellaneous Tests	RESULT	UNIT	LOQ	METHOD REFERENCE
Moisture	10.8	%	0.1	USP 921 (Loss on Drying)
Visual Inspection	RESULT	AMOUNT INSPECTED (g)	METHOD REFERENCE	
Foreign Matter	<2%	10	USP 561/EP 2.8.2	

LOQ - Limit of Quantification

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## CERTIFICATE OF ANALYSIS

PAGE: 5 / 10

CATEGORY: Pesticides  
PO#: Marty Johnston  
LAB NUMBER: 129295  
SAMPLE ID: CC0123001  
STRAIN:

SAMPLE MATRIX: Dried Cannabis  
DATE SAMPLED: 2023-01-10  
DATE RECEIVED: 2023-01-12  
DATE REPORTED: 2023-01-19  
DATE PRINTED: 2023-01-19

Pesticide Scan	RESULT	UNIT	LOQ	HEALTH CANADA REPORTING LIMIT	METHOD REFERENCE
Abamectin	<LOQ	ppm	0.02	0.1	ORG-M-051
Acephate	<LOQ	ppm	0.02	0.02	ORG-M-051
Acequinocyl	<LOQ	ppm	0.02	0.03	ORG-M-051
Acetamiprid	<LOQ	ppm	0.01	0.1	ORG-M-051
Aldicarb	<LOQ	ppm	0.02	1	ORG-M-051
Allethrin	<LOQ	ppm	0.05	0.2	ORG-M-051
Azadirachtin	<LOQ	ppm	0.1	1	ORG-M-051
Azoxystrobin	<LOQ	ppm	0.01	0.02	ORG-M-051
Benzovindiflupyr	<LOQ	ppm	0.02	0.02	ORG-M-051
Bifenazate	<LOQ	ppm	0.01	0.02	ORG-M-051
Bifenthrin	<LOQ	ppm	0.02	1	ORG-M-051
Boscalid	<LOQ	ppm	0.02	0.02	ORG-M-051
Buprofezin	<LOQ	ppm	0.01	0.02	ORG-M-051
Carbaryl	<LOQ	ppm	0.05	0.05	ORG-M-051
Carbofuran	<LOQ	ppm	0.02	0.02	ORG-M-051
Chlorantraniliprole	<LOQ	ppm	0.01	0.02	ORG-M-051
Chlorphenapyr	<LOQ	ppm	0.02	0.05	ORG-M-051
Chlorpyrifos	<LOQ	ppm	0.02	0.04	ORG-M-051
Clofentezine	<LOQ	ppm	0.02	0.02	ORG-M-051
Clothianidin	<LOQ	ppm	0.05	0.05	ORG-M-051
Coumaphos	<LOQ	ppm	0.02	0.02	ORG-M-051
Cyantraniliprole	<LOQ	ppm	0.02	0.02	ORG-M-051
Cyfluthrin	<LOQ	ppm	0.05	0.2	ORG-M-051
Cypermethrin	<LOQ	ppm	0.05	0.3	ORG-M-051
Cyprodinil	<LOQ	ppm	0.02	0.25	ORG-M-051
Daminozide	<LOQ	ppm	0.05	0.1	ORG-M-051

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CATEGORY: Pesticides  
PO#: Marty Johnston  
LAB NUMBER: 129295  
SAMPLE ID: CC0123001  
STRAIN:

SAMPLE MATRIX: Dried Cannabis  
DATE SAMPLED: 2023-01-10  
DATE RECEIVED: 2023-01-12  
DATE REPORTED: 2023-01-19  
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Pesticide Scan	RESULT	UNIT	LOQ	HEALTH CANADA REPORTING LIMIT	METHOD REFERENCE
Deltamethrin	<LOQ	ppm	0.05	0.5	ORG-M-051
Diazinon	<LOQ	ppm	0.02	0.02	ORG-M-051
Dichlorvos	<LOQ	ppm	0.1	0.1	ORG-M-051
Dimethoate	<LOQ	ppm	0.01	0.02	ORG-M-051
Dimethomorph	<LOQ	ppm	0.02	0.05	ORG-M-051
Dinotefuran	<LOQ	ppm	0.1	0.1	ORG-M-051
Dodemorph	<LOQ	ppm	0.01	0.05	ORG-M-051
Endosulfan sulfate	<LOQ	ppm	0.02	0.05	ORG-M-051
Endosulfan-alpha	<LOQ	ppm	0.02	0.2	ORG-M-051
Endosulfan-beta	<LOQ	ppm	0.05	0.05	ORG-M-051
Ethoprophos	<LOQ	ppm	0.02	0.02	ORG-M-051
Etofenprox	<LOQ	ppm	0.02	0.05	ORG-M-051
Etoxazole	<LOQ	ppm	0.02	0.02	ORG-M-051
Etridiazole	<LOQ	ppm	0.02	0.03	ORG-M-051
Fenoxycarb	<LOQ	ppm	0.02	0.02	ORG-M-051
Fenpyroximate	<LOQ	ppm	0.02	0.02	ORG-M-051
Fensulfthion	<LOQ	ppm	0.02	0.02	ORG-M-051
Fenthion	<LOQ	ppm	0.02	0.02	ORG-M-051
Fenvalerate	<LOQ	ppm	0.1	0.1	ORG-M-051
Fipronil	<LOQ	ppm	0.02	0.06	ORG-M-051
Flonicamid	<LOQ	ppm	0.05	0.05	ORG-M-051
Fludioxonil	<LOQ	ppm	0.02	0.02	ORG-M-051
Fluopyram	<LOQ	ppm	0.01	0.02	ORG-M-051
Hexythiazox	<LOQ	ppm	0.01	0.01	ORG-M-051
Imazalil	<LOQ	ppm	0.05	0.05	ORG-M-051
Imidacloprid	<LOQ	ppm	0.02	0.02	ORG-M-051

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PAGE: 7 / 10

CATEGORY: Pesticides  
PO#: Marty Johnston  
LAB NUMBER: 129295  
SAMPLE ID: CC0123001  
STRAIN:

SAMPLE MATRIX: Dried Cannabis  
DATE SAMPLED: 2023-01-10  
DATE RECEIVED: 2023-01-12  
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DATE PRINTED: 2023-01-19

Pesticide Scan	RESULT	UNIT	LOQ	HEALTH CANADA REPORTING LIMIT	METHOD REFERENCE
Iprodione	<LOQ	ppm	0.5	1	ORG-M-051
Kinoprene	<LOQ	ppm	0.5	0.5	ORG-M-051
Kresoxim-methyl	<LOQ	ppm	0.02	0.02	ORG-M-051
Malathion	<LOQ	ppm	0.02	0.02	ORG-M-051
Metalaxyl	<LOQ	ppm	0.02	0.02	ORG-M-051
Methiocarb	<LOQ	ppm	0.02	0.02	ORG-M-051
Methomyl	<LOQ	ppm	0.05	0.05	ORG-M-051
Methoprene	<LOQ	ppm	0.1	2	ORG-M-051
Mevinphos	<LOQ	ppm	0.05	0.05	ORG-M-051
MGK-264	<LOQ	ppm	0.02	0.05	ORG-M-051
Myclobutanil	<LOQ	ppm	0.02	0.02	ORG-M-051
Naled	<LOQ	ppm	0.05	0.1	ORG-M-051
Novaluron	<LOQ	ppm	0.02	0.05	ORG-M-051
Oxamyl	<LOQ	ppm	0.1	3	ORG-M-051
Paclobutrazol	<LOQ	ppm	0.02	0.02	ORG-M-051
Parathion-methyl	<LOQ	ppm	0.02	0.05	ORG-M-051
Permethrin	<LOQ	ppm	0.05	0.5	ORG-M-051
Phenothrin	<LOQ	ppm	0.05	0.05	ORG-M-051
Phosmet	<LOQ	ppm	0.02	0.02	ORG-M-051
Piperonyl Butoxide	<LOQ	ppm	0.02	0.2	ORG-M-051
Pirimicarb	<LOQ	ppm	0.02	0.02	ORG-M-051
Prallethrin	<LOQ	ppm	0.05	0.05	ORG-M-051
Propiconazole	<LOQ	ppm	0.02	0.1	ORG-M-051
Propoxur	<LOQ	ppm	0.01	0.02	ORG-M-051
Pyraclostrobin	<LOQ	ppm	0.01	0.02	ORG-M-051
Pyrethrins	<LOQ	ppm	0.05	0.05	ORG-M-051

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Results Authorized By:



C23012-92049

Haifeng Song, Ph.D., C.Chem.  
Lab Director

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REPORT NO.  
C23012-92049

# A & L Canada Laboratories Inc.



ACCOUNT NUMBER  
01770

2136 Jetstream Road, London, ON, N5V 3P5 Tel: (519) 457-2575 Fax: (519) 457-2664

TO:LUNE RISE FARMS INC.  
1002 CONCESSION 8  
PO BOX 680  
TEESWATER, ON N0G 2S0  
hereinafter the "Recipient"

ATTN:Marty Johnston  
Phone:416-723-7367

## CERTIFICATE OF ANALYSIS

PAGE: 8 / 10

CATEGORY:Pesticides  
PO#:Marty Johnston  
LAB NUMBER:129295  
SAMPLE ID:CC0123001  
STRAIN:

SAMPLE MATRIX:Dried Cannabis  
DATE SAMPLED:2023-01-10  
DATE RECEIVED:2023-01-12  
DATE REPORTED:2023-01-19  
DATE PRINTED:2023-01-19

Pesticide Scan	RESULT	UNIT	LOQ	HEALTH CANADA REPORTING LIMIT	METHOD REFERENCE
Pyridaben	<LOQ	ppm	0.02	0.05	ORG-M-051
Quintozene	<LOQ	ppm	0.02	0.02	ORG-M-051
Resmethrin	<LOQ	ppm	0.05	0.1	ORG-M-051
Spinetoram	<LOQ	ppm	0.02	0.02	ORG-M-051
Spinosad	<LOQ	ppm	0.02	0.1	ORG-M-051
Spirodiclofen	<LOQ	ppm	0.05	0.25	ORG-M-051
Spiromesifen	<LOQ	ppm	0.1	3	ORG-M-051
Spirotetramat	<LOQ	ppm	0.02	0.02	ORG-M-051
Spiroxamine	<LOQ	ppm	0.02	0.1	ORG-M-051
Tebuconazole	<LOQ	ppm	0.02	0.05	ORG-M-051
Tebufenozide	<LOQ	ppm	0.02	0.02	ORG-M-051
Teflubenzuron	<LOQ	ppm	0.05	0.05	ORG-M-051
Tetrachlorvinphos	<LOQ	ppm	0.02	0.02	ORG-M-051
Tetramethrin	<LOQ	ppm	0.1	0.1	ORG-M-051
Thiacloprid	<LOQ	ppm	0.01	0.02	ORG-M-051
Thiamethoxam	<LOQ	ppm	0.02	0.02	ORG-M-051
Thiophanate-methyl	<LOQ	ppm	0.05	0.05	ORG-M-051
Trifloxystrobin	<LOQ	ppm	0.01	0.02	ORG-M-051

LOQ - Limit of Quantification

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Phone:416-723-7367

## CERTIFICATE OF ANALYSIS

PAGE: 9 / 10

CATEGORY:Potency  
PO#:Marty Johnston  
LAB NUMBER:129296  
SAMPLE ID:CC0123001  
STRAIN:

SAMPLE MATRIX:Dried Cannabis  
DATE SAMPLED:2023-01-10  
DATE RECEIVED:2023-01-12  
DATE REPORTED:2023-01-19  
DATE PRINTED:2023-01-19

Terpenes Scan	RESULT		LOQ		METHOD REFERENCE
	% w/w	mg/g	% w/w	mg/g	
#Total Terpenes	1.918	19.18	0.005	0.05	ORG-M-072
alpha-Bisabolol	0.056	0.56	0.005	0.05	ORG-M-072
Alpha-Cedrene	<LOQ	<LOQ	0.005	0.05	ORG-M-072
alpha-Humulene	0.218	2.18	0.005	0.05	ORG-M-072
alpha-Phellandrene	0.010	0.10	0.005	0.05	ORG-M-072
alpha-Pinene	0.007	0.07	0.005	0.05	ORG-M-072
alpha-Terpinene	0.013	0.13	0.005	0.05	ORG-M-072
alpha-Terpineol	0.061	0.61	0.005	0.05	ORG-M-072
beta-Caryophyllene	0.603	6.03	0.005	0.05	ORG-M-072
beta-Myrcene	0.034	0.34	0.005	0.05	ORG-M-072
beta-Ocimene	0.092	0.92	0.005	0.05	ORG-M-072
beta-Pinene	0.016	0.16	0.005	0.05	ORG-M-072
Borneol	<LOQ	<LOQ	0.01	0.1	ORG-M-072
Camphene	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Camphor	<LOQ	<LOQ	0.015	0.15	ORG-M-072
Caryophyllene oxide	0.051	0.51	0.005	0.05	ORG-M-072
Cedrol	<LOQ	<LOQ	0.005	0.05	ORG-M-072
cis-Nerolidol	<LOQ	<LOQ	0.005	0.05	ORG-M-072
d-Limonene	<LOQ	<LOQ	0.05	0.5	ORG-M-072
delta-3-Carene	<LOQ	<LOQ	0.05	0.5	ORG-M-072
E-beta-Farnesene	0.092	0.92	0.013	0.13	ORG-M-072
Eucalyptol	0.005	0.05	0.005	0.05	ORG-M-072
Fenchol	0.031	0.31	0.005	0.05	ORG-M-072
Fenchone	<LOQ	<LOQ	0.01	0.1	ORG-M-072
gamma-Terpinene	0.011	0.11	0.005	0.05	ORG-M-072
Geraniol	<LOQ	<LOQ	0.05	0.5	ORG-M-072
Geranyl acetate	<LOQ	<LOQ	0.005	0.05	ORG-M-072

LOQ - Limit of Quantification

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Lab Director



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DATE RECEIVED:2023-01-12  
DATE REPORTED:2023-01-19  
DATE PRINTED:2023-01-19

Terpenes Scan	RESULT		LOQ		METHOD REFERENCE
	% w/w	mg/g	% w/w	mg/g	
Guaiol	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Isoborneol	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Isopulegol	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Linalool	0.037	0.37	0.005	0.05	ORG-M-072
Menthol	<LOQ	<LOQ	0.05	0.5	ORG-M-072
Nerol	<LOQ	<LOQ	0.005	0.05	ORG-M-072
p-Cymene	<LOQ	<LOQ	0.005	0.05	ORG-M-072
Pulegone	<LOQ	<LOQ	0.05	0.5	ORG-M-072
Sabinene	0.013	0.13	0.005	0.05	ORG-M-072
Sabinene hydrate	0.005	0.05	0.005	0.05	ORG-M-072
Terpinolene	0.356	3.56	0.005	0.05	ORG-M-072
trans-Nerolidol	0.064	0.64	0.005	0.05	ORG-M-072
Valencene	0.084	0.84	0.005	0.05	ORG-M-072

LOQ - Limit of Quantification

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