



Client information COA information

Ostara Medical COA number 230627_63161_PAR17633

5331 Avenue Pierre Dansereau COA Date **27-Jun-2023**Salaberry de Valleyfield, Canada, J6S 6A2 Analysis Request ID **PAR17633**

Sample information

Sample Name OM-001-LHK-001 Sample Receiving Date 22-Jun-2023

Sample ID E1-OM-001-LHK-001 Receiving Temperature 21°C

Laboratory ID PAT53666

Results information

 Analysis Date
 Test
 Method Ref.
 Results
 Units

 27-Jun-2023
 Moisture
 PAT-AM-023(USP <731>)
 13.04
 %

Authorized by: Laboratory Manager

Signature:

- 1. Results only apply to the items tested and to the sample(s) as received.
- 2. This report may not be distributed or reproduced except in full.



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Sample Name OM-001-LHK-001 Sample Receiving Date 22-Jun-2023

Sample ID E1-OM-001-LHK-001 Receiving Temperature 21°C

Laboratory ID PAT53666 Analysis Date 26-Jun-2023

Method Ref. PAT-AM-019

Cannabinoids Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
CBC	0.019	0.190	0.010
CBD	<0.010	<0.100	0.010
CBDA	0.064	0.640	0.010
CBDV	<0.010	<0.100	0.010
CBG	0.069	0,690	0.010
CBGA	0.805	8.050	0.010
CBN	0.017	0.170	0.010
D8-THC	<0.010	<0.100	0.010
D9-THC	0.956	9.560	0.010
THCA-A	32.805	328.050	0.010
THCV	<0.010	<0.100	0.010
Total THC	29.726	297.260	
Total CBD	0.056	0.561	

29.726%Total THC

0.056%Total CBD

Total THC = THC + (THCA*0.877), Total CBD = CBD + (CBDA*0.877)

Total THC/CBD is calculated using the formulas to take into account the loss of carboxyl group during decarboxylation step.

Authorized by: Laboratory Manager

Signature:

Details of testing

- 1. LOQ- Limit of quantification
- 2. % w/w: percent (weight of analyte/ weight of product)
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Pharmascience Inc.

Terpenes alpha-Pinene

Camphene

Sahinene

Myrcene

beta-Pinene

(1s)-(+)-3-Carene

alpha-Terpinine

(R)-(+)-Limonene

trans-Ocimene

gamma-Terpinene

cis-Ocimene

p-Cymene

Eucalyptol

Terpinolene

(+/-)-Fenchone

(+)-Fenchol

(-)-Isopulegol

(+/-)-Camphor

Isoborneol

L-Menthol

Geraniol

(+/-)-Borneol

(+)-Pulegone

Geranyl acetate

(-)-alpha-Santalene

(-)-alpha-Cedrene

alpha-Humulene

(+)-Valencene

Trans-Nerolidol

(-)-Caryophyllene oxide

(-)-alpha-Bisabolol

Total Terpene

cis-Nerolidol

(-)-Guaiol

(+)-Cedrol

(-)-trans-Caryophyllene

Farnesene (sum of isomers)

alpha-Terpineol

Linalool

(R)-(-)-alpha-Phellandrene

6111 Royalmount Avenue, Montreal, Québec, Canada, H4P 2T4

Certificate of Analysis



Ostara Médical Client:

OM-001-LHK-001 Sample Name / Lot:

CNF-1527-02 Sample ID:

Dried Cannabis Sample Type:

Certificate Number: 2023-01210 Rev 1

GC-MS Headspace Validated Assay CN0068

GC-MS Headspace Validated Assav CN0068

GC-MS Headspace Validated Assay CN0068

10.0

10.0

10.0

10.0

10.0

10.0

10.0

10.0

2.5

10.0

7.5

10.0

10.0

10.0

10.0

10.0

10.0

10.0

20.0

10.0

10.0

10.0

10.0

10.0

10.0

10.0

10.0

10.0

10.0

science
CREATING THE DIFFERENCE

20-Apr-2023 **Date Received**

21-Apr-2023 Analysis Date

25-Apr-2023 Reporting Date 898 0.0898 211 49 0.0049 1981 0.1981 1222 0 1222 49 0.0049 <10 <0,0010 48 0.0048 0.0041 0.7313 <10 <0,0010 2254 0.2254 70 0.0070 58 338 0.0338 1094 0.1094 185 0.0185 920 0.0920 <10 <0,0010 <10 <0,0010 <10 < 0.0010 <10 200 0.0200 0.1398 309 0.0309 <10 <10 <0.0010 <10 <0,0010 <10 <0,0010 0.5515 2193 0.2193 0.1588 2266 0.2266 <10 204 0.0204 <10 <0,0010 226 0.0226 <10 <0,0010

GC-MS Headspace Validated Assay CN0068 LOD - Limit of Detection

> Digitally signed by Ying Zhao Date: 2023.04.25 14:47:57 -04'00'

805

31434

0.0805

3.1434





Client information COA information

Ostara Medical COA number 230417_54188_PAR14948

5331 Avenue Pierre Dansereau COA Date **17-Apr-2023**

Salaberry de Valleyfield, Canada, J6S 6A2 Analysis Request ID PAR14948

Sample information

Sample Name OM-001-LHK-001 Sample Receiving Date 11-Apr-2023

Sample ID E1-OM-001-LHK-001 Receiving Temperature 21°C

Laboratory ID PAT46268

Results information

 Analysis Date
 Test
 Method Ref.
 Results
 Units

 14-Apr-2023
 Water activity
 PAT-AM-025
 0.5415
 aW

Authorized by: Laboratory Manager

Signature: USharum

Details of testing

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Client information COA information

Ostara Medical COA number 230417_54279_PAR14948

5331 Avenue Pierre Dansereau COA Date **17-Apr-2023**Salaberry de Valleyfield, Canada, J6S 6A2 Analysis Request ID **PAR14948**

Sample information

Sample Name OM-001-LHK-001 Sample Receiving Date 11-Apr-2023

Sample ID E1-OM-001-LHK-001 Receiving Temperature 21°C

Laboratory ID PAT46267

Results information

Analysis Date	Test	Method Ref.	Results	Units	Specification (EP 2,4,16)	Compliance
13-Apr-2023	Ash	PAT-AM- 013(USP<561>Mo dified)	11.27	%	<= 20	PASS
Analysis Date	Test	Method Ref.	Results	Units	Specification	Compliance
14-Apr-2023	Appearance	PAT-AM-015	Big light green buds with characteristic hair like structures and frosty crystals		NA	NA

Authorized by: Laboratory Manager

Signature:

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Sample Name OM-001-LHK-001 Sample Receiving Date 11-Apr-2023

Sample ID E1-OM-001-LHK-001 Receiving Temperature 21°C

Laboratory ID PAT46267 Analysis Date 14-Apr-2023

Method Ref. PAT-AM-024

Results Information

Aflatoxins	Results	Unit	LOQ
Aflatoxin B1	<0.002	ppm	0.002
Aflatoxin B2	<0.002	ppm	0.002
Aflatoxin G1	<0.002	ppm	0.002
Aflatoxin G2	<0.002	ppm	0.002
Total Aflatoxins (B1,B2,G1,G2)	<0.002	ppm	0.002

Authorized by: Laboratory Manager

Signature: USLUZYM

- 1. LOQ- Limit of quantification
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Sample Name OM-001-LHK-001 Sample Receiving Date 11-Apr-2023

Sample ID E1-OM-001-LHK-001 Receiving Temperature 21°C

Laboratory ID PAT46267

Method Ref. PAT-AM-026(USP <561>)

Results Information

Foreign Material	Results	Unit	LOQ
Foreign elements	0	/g	N/A
Foreign organs	0	/g	N/A
Other Foreign elements	0	/g	N/A
Total Foreign matter	0	/g	N/A

Analysis Date

Authorized by: Laboratory Manager

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14-Apr-2023

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Sample Name OM-001-LHK-001 Sample Receiving Date 11-Apr-2023

Sample ID E1-OM-001-LHK-001 Receiving Temperature 21°C

Laboratory ID PAT46267 Analysis Date 17-Apr-2023

Method Ref. PAT-AM-020 (USP 233 Modified)

Results Information

Heavy Metals	Results	Unit	LOQ
Arsenic	<0.025	ppm	0.025
Cadmium	<0.020	ppm	0.02
_ead	<0.010	ppm	0.01
Mercury	<0.005	ppm	0.005

Authorized by: Laboratory Manager

Signature: UShiJum

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Sample Name OM-001-LHK-001 Sample Receiving Date 11-Apr-2023

Sample ID E1-OM-001-LHK-001 Receiving Temperature 21°C

Laboratory ID PAT46267 Analysis Date 16-Apr-2023

Method Ref. PAT-AM-024

Pesticides Dried Cannabis Results Information

Compound Detected Results (ppm) RDL Specification (HC MRL Limits) Compliance

No Compounds Detected

Abameetin ND 0.02 < 0.02	Compounds Not Detected	Results (ppm)	RDL	Specification (HC MRL Limits)
Acequinocyl ND 0.02 < 0.03 Acetamiprid ND 0.02 < 0.1 Aldicarb ND 0.02 < 0.1 Allethrin ND 0.02 < 0.2 Azadirachtin ND 0.02 < 1 Azoxystobin ND 0.01 < 0.02 Birenazite ND 0.02 < 0.02 Birenazite ND 0.02 < 0.02 Birenazite ND 0.02 < 0.02 Boscalid ND 0.01 < 0.02 Buprofezin ND 0.01 < 0.02 Carboryl ND 0.01 < 0.02 Carborura ND 0.01 < 0.02 Chlorphragor ND 0.01 < 0.02 Collectazine ND 0.01 < 0.02	Abamectin	ND	0.02	< 0.1
Actemiprid ND 0.02 < 1 Aldicarb ND 0.02 < 1 Allethrin ND 0.02 < 0.2 Azadirachtin ND 0.02 < 1 Azazystrobin ND 0.01 < 0.02 Benzonidiflupyr ND 0.01 < 0.02 Bifenazate ND 0.02 < 1 Boscalld ND 0.01 < 0.02 Buprofezin ND 0.01 < 0.02 Carbaryl ND 0.01 < 0.02 Carbofura ND 0.01 < 0.02 Chlorantraniliprole ND 0.01 < 0.02 Chlorapyrifos ND 0.01 < 0.02 Chlorapyrifos ND 0.01 < 0.02 Clofentezine ND 0.01 < 0.02 Clorapyrifos ND 0.01 < 0.02 Cyprodili ND 0.01 < 0.02 Cyprodili ND 0.02 < 0.03 <	Acephate	ND	0.02	< 0.02
Aldicarb ND 0.02 < 1 Allethrin ND 0.02 < 0.2 Azadirachtin ND 0.02 < 1 Azoxystrobin ND 0.01 < 0.02 Benzovindiflupyr ND 0.01 < 0.02 Bifenazate ND 0.02 < 0.02 Bifenthrin ND 0.01 < 0.02 Boscalid ND 0.01 < 0.02 Boscalid ND 0.01 < 0.02 Boscalid ND 0.01 < 0.02 Carbofuran ND 0.01 < 0.02 Carbofuran ND 0.01 < 0.02 Chloryprios ND 0.01 < 0.02 Chloryprios ND 0.01 < 0.04 Clofentezine ND 0.01 < 0.02 Countaghos ND 0.01 < 0.02 Cyprometrin ND 0.01 < 0.02 Cyprometrin ND 0.02 < 0.3	Acequinocyl	ND	0.02	< 0.03
Allethrin ND 0,02 < 0,2 Azadirachtin ND 0,02 < 1 Azoxystrobin ND 0,01 < 0,02 Bifenazate ND 0,01 < 0,02 Bifenhrin ND 0,02 < 0,02 Boscalid ND 0,01 < 0,02 Boscalid ND 0,01 < 0,02 Carbaryl ND 0,01 < 0,02 Carbaryl ND 0,01 < 0,02 Carbofuran ND 0,01 < 0,02 Chlorapridis ND 0,01 < 0,02 Chlorpprifos ND 0,01 < 0,02 Chlorpprifos ND 0,01 < 0,02 Collabilidin ND 0,01 < 0,02 Collabilidin ND 0,01 < 0,02 Cypartantiliprole ND 0,01 < 0,02 Cypartamiliprole ND 0,01 < 0,02 Cypartentrin ND 0,02 < 0,5 </td <td>Acetamiprid</td> <td>ND</td> <td>0.02</td> <td>< 0.1</td>	Acetamiprid	ND	0.02	< 0.1
Azadirachtin ND 0.02 < 1 Azoxystrobin ND 0.01 < 0.02 Benzovindiflupyr ND 0.01 < 0.02 Bifenazate ND 0.02 < 0.02 Bifenthrin ND 0.02 < 1 Boscalid ND 0.01 < 0.02 Buprofezin ND 0.01 < 0.02 Carbaryl ND 0.02 < 0.05 Carbaryl ND 0.01 < 0.02 Chlorantraniliprole ND 0.01 < 0.02 Chloraphrian ND 0.01 < 0.02 Chlorphenapyr ND 0.01 < 0.02 Chlorphrifos ND 0.01 < 0.04 Clorentezine ND 0.01 < 0.04 Clorentezine ND 0.01 < 0.02 Coumaphos ND 0.01 < 0.02 Cyluthrin ND 0.01 < 0.02 Cypermethrin ND 0.02 < 0.5	Aldicarb	ND	0.02	< 1
Azoxystrobin ND 0.01 < 0.02 Benzovindiflupyr ND 0.01 < 0.02 Bifenazate ND 0.02 < 0.02 Bifenthrin ND 0.02 < 1 Boscalid ND 0.01 < 0.02 Burrofezin ND 0.01 < 0.02 Carbaryl ND 0.01 < 0.02 Carbofuran ND 0.01 < 0.02 Chlorantrailliprole ND 0.01 < 0.02 Chlorapyr ND 0.01 < 0.02 Chlorapyrifos ND 0.01 < 0.02 Chlorapyrifos ND 0.01 < 0.02 Clorentzine ND 0.01 < 0.02 Coloraphos ND 0.01 < 0.02 Cyntraniliprole ND 0.01 < 0.02 Cypremethrin ND 0.02 < 0.3 Cypremethrin ND 0.02 < 0.2 Diation ND 0.02 < 0.02	Allethrin	ND	0.02	< 0.2
Benovindiflupyr ND 0.01 < 0.02 Bifenazate ND 0.02 < 0.02 Bifenthrin ND 0.02 < 1 Boscalid ND 0.01 < 0.02 Buprofezin ND 0.01 < 0.02 Carbaryl ND 0.02 < 0.05 Carbofuran ND 0.01 < 0.02 Chlorantraniliprole ND 0.01 < 0.02 Chlorpyrifos ND 0.01 < 0.02 Cyontraliliprole ND 0.01 < 0.02 Cyllathrin ND 0.02 < 0.3 Cyprodinil ND 0.02 < 0.3 Deltamethrin ND 0.02 < 0.02<	Azadirachtin	ND	0.02	< 1
Bifenazate ND 0.02 < 1 Bifenthrin ND 0.02 < 1 Boscalid ND 0.01 < 0.02 Buprofezin ND 0.01 < 0.02 Carbaryl ND 0.02 < 0.05 Carbortura ND 0.01 < 0.02 Chlorantraniliprole ND 0.01 < 0.02 Chlorepyrifos ND 0.01 < 0.04 Clofentezine ND 0.01 < 0.02 Clofentezine ND 0.01 < 0.02 Comaphos ND 0.01 < 0.02 Cypermethrin ND 0.01 < 0.02 Cypermethrin ND 0.02 < 0.25 Daminozide ND 0.02 < 0.25 Daminozide ND 0.02 < 0.05 Diazinon ND 0.02 < 0.05 Diazinon ND 0.02 < 0.05 Dimethoate ND 0.02 < 0.05 <	Azoxystrobin	ND	0.01	< 0.02
Bienthrin ND 0,02 < 1 Boscalid ND 0.01 < 0.02 Buprofezin ND 0.01 < 0.02 Carbaryl ND 0.02 < 0.05 Carboruran ND 0.01 < 0.02 Chlorantraniliprole ND 0.01 < 0.02 Chlorphenapyr ND 0.05 < 0.05 Chlorpyrifos ND 0.01 < 0.02 Chlorantraniliprole ND 0.01 < 0.02 Chlorantraniliprole ND 0.01 < 0.02 Chlorantraniliprole ND 0.01 < 0.02 Columphos ND 0.01 < 0.02 Cypermethrin ND 0.01 < 0.02 Cypermethrin ND 0.02 < 0.25 Daminozide ND 0.02 < 0.25 Daminozide ND 0.02 < 0.05 Dicalmethrin ND 0.02 < 0.02 Dicalmethrin ND 0.02	Benzovindiflupyr	ND	0.01	< 0.02
Boscalid ND 0.01 < 0.02 Buprofezin ND 0.01 < 0.02 Carbaryl ND 0.02 < 0.05 Carbofuran ND 0.01 < 0.02 Chlorantraniliprole ND 0.01 < 0.02 Chlorprifos ND 0.05 < 0.05 Chlorprifos ND 0.01 < 0.02 Clothianidin ND 0.01 < 0.02 Coumaphos ND 0.01 < 0.02 Cynamiliprole ND 0.01 < 0.02 Cynaminoria ND 0.01 < 0.02 Cypermethrin ND 0.02 < 0.3 Cyprodinil ND 0.02 < 0.2 Daminozide ND 0.02 < 0.1 Deltamethrin ND 0.02 < 0.0 Diazinon ND 0.02 < 0.0 Dimethoare ND 0.02 < 0.0 Dimethoare ND 0.02 < 0.05	Bifenazate	ND	0.02	< 0.02
Buprofezin ND 0.01 < 0.02 Carbaryl ND 0.02 < 0.05 Carbofuran ND 0.01 < 0.02 Chlorantraniliprole ND 0.01 < 0.02 Chlorphenapyr ND 0.05 < 0.05 Chlorpyrifos ND 0.01 < 0.02 Clotentazine ND 0.01 < 0.02 Clothianidin ND 0.02 < 0.05 Coumaphos ND 0.01 < 0.02 Cyantraniliprole ND 0.01 < 0.02 Cypremethrin ND 0.01 < 0.02 Cypremethrin ND 0.02 < 0.3 Cyprodinil ND 0.02 < 0.2 Daminozide ND 0.02 < 0.1 Deltamethrin ND 0.02 < 0.02 Dicklorvos ND 0.02 < 0.02 Dimethoare ND 0.02 < 0.05 Dimethoare ND 0.02 < 0.05 </td <td>Bifenthrin</td> <td>ND</td> <td>0.02</td> <td>< 1</td>	Bifenthrin	ND	0.02	< 1
Carbaryl ND 0.02 < 0.05 Carbofuran ND 0.01 < 0.02 Chlorantraniliprole ND 0.01 < 0.02 Chlorphenapyr ND 0.05 < 0.05 Chlorpyrifos ND 0.01 < 0.04 Clofentezine ND 0.01 < 0.02 Clothianidin ND 0.02 < 0.05 Coumaphos ND 0.01 < 0.02 Cyantraniliprole ND 0.01 < 0.02 Cygnathyri ND 0.01 < 0.02 Cypermethrin ND 0.01 < 0.02 Cypermethrin ND 0.02 < 0.25 Diazion ND 0.02 < 0.25 Diazion ND 0.02 < 0.02 Dichlorvos ND 0.01 < 0.02 Dimethoate ND 0.02 < 0.05 Dimethoarph ND 0.02 < 0.05 Dimotefuran ND 0.02 < 0.05	Boscalid	ND	0.01	< 0.02
Carbofuran ND 0.01 < 0.02 Chlorantraniliprole ND 0.01 < 0.02 Chlorphenapyr ND 0.05 < 0.05 Chlorpyrifos ND 0.01 < 0.04 Clofentezine ND 0.01 < 0.02 Clothianidin ND 0.02 < 0.05 Coumaphos ND 0.01 < 0.02 Cyantraniliprole ND 0.01 < 0.02 Cygntuthrin ND 0.1 < 0.2 Cypermethrin ND 0.02 < 0.3 Cyprodinil ND 0.02 < 0.2 Daminozide ND 0.02 < 0.5 Diazinon ND 0.02 < 0.5 Diazinon ND 0.02 < 0.02 Dimethoate ND 0.01 < 0.02 Dimethoare ND 0.02 < 0.05 Dimethomorph ND 0.02 < 0.05 Endosulfan-alpha ND 0.02 < 0.05 </td <td>Buprofezin</td> <td>ND</td> <td>0.01</td> <td>< 0.02</td>	Buprofezin	ND	0.01	< 0.02
Chlorantraniliprole ND 0.01 < 0.02 Chlorphenapyr ND 0.05 < 0.05 Chlorpyrifos ND 0.01 < 0.04 Clofentezine ND 0.01 < 0.02 Clothianidin ND 0.02 < 0.05 Coumaphos ND 0.01 < 0.02 Cyantraniliprole ND 0.01 < 0.02 Cyfluthrin ND 0.01 < 0.02 Cypermethrin ND 0.02 < 0.3 Cyperdoinil ND 0.02 < 0.25 Daminozide ND 0.05 < 0.1 Deltamethrin ND 0.02 < 0.5 Diazinon ND 0.02 < 0.02 Dichlorvos ND 0.02 < 0.02 Dimethoate ND 0.02 < 0.05 Dimethomorph ND 0.02 < 0.05 Dimethomorph ND 0.02 < 0.05 Endosulfan-alpha ND 0.02 <th< td=""><td>Carbaryl</td><td>ND</td><td>0.02</td><td>< 0.05</td></th<>	Carbaryl	ND	0.02	< 0.05
Chlorphenapyr ND 0.05 < 0.05 Chlorpyrifos ND 0.01 < 0.04 Clofentezine ND 0.01 < 0.02 Clothianidin ND 0.02 < 0.05 Coumaphos ND 0.01 < 0.02 Cyantraniliprole ND 0.01 < 0.02 Cyfluthrin ND 0.1 < 0.2 Cypermethrin ND 0.02 < 0.3 Cyprodinil ND 0.02 < 0.3 Daminozide ND 0.02 < 0.2 Daminozide ND 0.02 < 0.5 Diazinon ND 0.02 < 0.5 Diazinon ND 0.01 < 0.02 Dimethoate ND 0.01 < 0.02 Dimethoare ND 0.02 < 0.05 Dimethoare ND 0.02 < 0.05 Dimethoare ND 0.02 < 0.05 Dimethoare ND 0.02 < 0.05 <	Carbofuran	ND	0.01	< 0.02
Chlorpyrifos ND 0.01 < 0.04 Clofentezine ND 0.01 < 0.02 Clothianidin ND 0.02 < 0.05 Coumaphos ND 0.01 < 0.02 Cyantraniliprole ND 0.01 < 0.02 Cyfluthrin ND 0.1 < 0.2 Cypermethrin ND 0.02 < 0.3 Cyprodinil ND 0.02 < 0.25 Daminozide ND 0.05 < 0.1 Deltamethrin ND 0.02 < 0.5 Diazinon ND 0.01 < 0.02 Dichlorvos ND 0.02 < 0.1 Dimethoate ND 0.01 < 0.02 Dimethoarph ND 0.02 < 0.05 Endosulfan-alpha ND 0.02 < 0.05	Chlorantraniliprole	ND	0.01	< 0.02
Clofentezine ND 0,01 < 0,02 Clothianidin ND 0,02 < 0,05 Coumaphos ND 0,01 < 0,02 Cyantraniliprole ND 0,01 < 0,02 Cyfluthrin ND 0,1 < 0,2 Cypermethrin ND 0,02 < 0,3 Cyprodinil ND 0,02 < 0,25 Daminozide ND 0,02 < 0,5 Diazinon ND 0,02 < 0,5 Diazinon ND 0,02 < 0,02 Dichlorvos ND 0,02 < 0,02 Dimethoate ND 0,02 < 0,05 Dimethomorph ND 0,02 < 0,05 Dimotefuran ND 0,02 < 0,05 Endosulfan-alpha ND 0,02 < 0,05 Endosulfan-alpha ND 0,01 < 0,05 Endosulfan-beta ND 0,01 < 0,05	Chlorphenapyr	ND	0.05	< 0.05
Clothianidin ND 0.02 < 0.05 Coumaphos ND 0.01 < 0.02 Cyantraniliprole ND 0.01 < 0.02 Cyfluthrin ND 0.1 < 0.2 Cypermethrin ND 0.02 < 0.3 Cyprodinil ND 0.02 < 0.25 Daminozide ND 0.05 < 0.1 Dieltamethrin ND 0.02 < 0.5 Diazinon ND 0.01 < 0.02 Dichlorvos ND 0.01 < 0.02 Dimethoate ND 0.01 < 0.02 Dimethomorph ND 0.02 < 0.05 Dimotefuran ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.01 < 0.02 < 0.05 Endosulfan-alpha ND 0.01 < 0.02 < 0.05	Chlorpyrifos	ND	0.01	< 0.04
Coumaphos ND 0.01 < 0.02 Cyantraniliprole ND 0.01 < 0.02 Cyfluthrin ND 0.1 < 0.2 Cypermethrin ND 0.02 < 0.3 Cyprodinil ND 0.02 < 0.25 Daminozide ND 0.05 < 0.1 Deltamethrin ND 0.02 < 0.5 Diazinon ND 0.01 < 0.02 Dichlorvos ND 0.02 < 0.1 Dimethoate ND 0.01 < 0.02 Dimethoate ND 0.02 < 0.05 Dimotefuran ND 0.02 < 0.05 Dimotefuran ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.01 < 0.02 < 0.05 Endosulfan-beta ND 0.01 < 0.02 < 0.05	Clofentezine	ND	0.01	< 0.02
Cyantraniliprole ND 0.01 < 0.02 Cyfluthrin ND 0.1 < 0.2 Cypermethrin ND 0.02 < 0.3 Cyprodinil ND 0.02 < 0.25 Daminozide ND 0.05 < 0.1 Deltamethrin ND 0.02 < 0.5 Diazinon ND 0.01 < 0.02 Dichlorvos ND 0.02 < 0.1 Dimethoate ND 0.01 < 0.02 Dimethomorph ND 0.02 < 0.05 Dimotefuran ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.1 < 0.02 < 0.05 Endosulfan-beta ND 0.01 < 0.02 < 0.05	Clothianidin	ND	0.02	< 0.05
Cyfluthrin ND 0.1 < 0.2 Cypermethrin ND 0.02 < 0.3 Cyprodinil ND 0.02 < 0.25 Daminozide ND 0.05 < 0.1 Deltamethrin ND 0.02 < 0.5 Diazinon ND 0.01 < 0.02 Dinchlorvos ND 0.02 < 0.1 Dimethoate ND 0.01 < 0.02 Dimethomorph ND 0.02 < 0.05 Dinotefuran ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.01 < 0.05 Endosulfan-beta ND 0.01 < 0.05	Coumaphos	ND	0.01	< 0.02
Cypermethrin ND 0.02 < 0.3 Cyprodinil ND 0.02 < 0.25 Daminozide ND 0.05 < 0.1 Deltamethrin ND 0.02 < 0.5 Diazinon ND 0.01 < 0.02 Dichlorvos ND 0.02 < 0.1 Dimethoate ND 0.01 < 0.02 Dimethomorph ND 0.02 < 0.05 Dinotefuran ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.1 < 0.02 Endosulfan-beta ND 0.01 < 0.05	Cyantraniliprole	ND	0.01	< 0.02
Cyprodinil ND 0.02 < 0.25 Daminozide ND 0.05 < 0.1 Deltamethrin ND 0.02 < 0.5 Diazinon ND 0.01 < 0.02 Dichlorvos ND 0.02 < 0.1 Dimethoate ND 0.01 < 0.02 Dimethomorph ND 0.02 < 0.05 Dinotefuran ND 0.02 < 0.1 Dodemorph ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.1 < 0.2 Endosulfan-beta ND 0.01 < 0.05	Cyfluthrin	ND	0.1	< 0.2
Daminozide ND 0.05 < 0.1 Deltamethrin ND 0.02 < 0.5 Diazinon ND 0.01 < 0.02 Dichlorvos ND 0.02 < 0.1 Dimethoate ND 0.01 < 0.02 Dimethomorph ND 0.02 < 0.05 Dinotefuran ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.1 < 0.2 Endosulfan-beta ND 0.01 < 0.05	Cypermethrin	ND	0.02	< 0.3
Deltamethrin ND 0.02 < 0.5 Diazinon ND 0.01 < 0.02 Dichlorvos ND 0.02 < 0.1 Dimethoate ND 0.01 < 0.02 Dimethomorph ND 0.02 < 0.05 Dinotefuran ND 0.02 < 0.1 Dodemorph ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.1 < 0.05 Endosulfan-beta ND 0.01 < 0.05	Cyprodinil	ND	0.02	< 0.25
Diazinon ND 0.01 < 0.02 Dichlorvos ND 0.02 < 0.1 Dimethoate ND 0.01 < 0.02 Dimethomorph ND 0.02 < 0.05 Dinotefuran ND 0.02 < 0.1 Dodemorph ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.1 < 0.2 Endosulfan-beta ND 0.01 < 0.05	Daminozide	ND	0.05	< 0.1
Dichlorvos ND 0.02 < 0.1 Dimethoate ND 0.01 < 0.02 Dimethomorph ND 0.02 < 0.05 Dinotefuran ND 0.02 < 0.1 Dodemorph ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.1 < 0.2 Endosulfan-beta ND 0.01 < 0.05	Deltamethrin	ND	0.02	< 0.5
Dimethoate ND 0.01 < 0.02 Dimethomorph ND 0.02 < 0.05 Dinotefuran ND 0.02 < 0.1 Dodemorph ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.1 < 0.2 Endosulfan-beta ND 0.01 < 0.05	Diazinon	ND	0.01	< 0.02
Dimethomorph ND 0.02 < 0.05 Dinotefuran ND 0.02 < 0.1 Dodemorph ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.1 < 0.2 Endosulfan-beta ND 0.01 < 0.05	Dichlorvos	ND	0.02	< 0.1
Dinotefuran ND 0.02 < 0.1 Dodemorph ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.1 < 0.2 Endosulfan-beta ND 0.01 < 0.05	Dimethoate	ND	0.01	< 0.02
Dodemorph ND 0.02 < 0.05 Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.1 < 0.2 Endosulfan-beta ND 0.01 < 0.05	Dimethomorph	ND	0.02	< 0.05
Endosulfan sulfate ND 0.02 < 0.05 Endosulfan-alpha ND 0.1 < 0.2 Endosulfan-beta ND 0.01 < 0.05	Dinotefuran	ND	0.02	< 0.1
Endosulfan-alpha ND 0.1 < 0.2 Endosulfan-beta ND 0.01 < 0.05	Dodemorph	ND	0.02	< 0.05
Endosulfan-beta ND 0.01 < 0.05	Endosulfan sulfate	ND	0.02	< 0.05
	Endosulfan-alpha	ND	0.1	< 0.2
Ethoprophos ND 0.01 < 0.02	Endosulfan-beta	ND	0.01	< 0.05
	Ethoprophos	ND	0.01	< 0.02



Compounds Not Detected	Results (ppm)	RDL	Specification (HC MRL Limits)
Etofenprox	ND	0.01	< 0.05
Etoxazole	ND	0.01	< 0.02
Etridiazole	ND	0.01	< 0.03
Fenoxycarb	ND	0.01	< 0.02
Fenpyroximate	ND	0.02	< 0.02
Fensulfothion	ND	0.01	< 0.02
Fenthion	ND	0.01	< 0.02
Fenvalerate	ND	0.05	< 0.1
Fipronil	ND	0.01	< 0.06
Flonicamid	ND	0.02	< 0.05
Fludioxonil	ND	0,01	< 0.02
Fluopyram	ND	0.01	< 0.02
Hexythiazox	ND	0.01	< 0.01
Imazalil	ND	0.01	< 0.05
Imidacloprid	ND ND	0.01	< 0.05
•			
Iprodione	ND	0.5	< 1
Kinoprene	ND	0.05	< 0.5
Kresoxim-methyl	ND	0.01	< 0.02
Malathion	ND	0.01	< 0.02
Metalaxyl	ND	0.01	< 0.02
Methiocarb	ND	0.01	< 0.02
Methomyl	ND	0.02	< 0.05
Methoprene	ND	0.5	< 2
Mevinphos	ND	0.02	< 0.05
MGK-264	ND	0,02	< 0.05
Myclobutanil	ND	0.01	< 0.02
Naled	ND	0.02	< 0.1
Novaluron	ND	0.02	< 0.05
Oxamyl	ND	0.02	< 3
Paclobutrazol	ND	0.01	< 0.02
Parathion-methyl	ND	0.02	< 0.05
Permethrin	ND	0.1	< 0.5
Phenothrin	ND	0.02	< 0.05
Phosmet	ND	0.01	< 0.02
Piperonyl butoxide	ND	0.02	< 0.2
Pirimicarb	ND	0.01	< 0.02
Prallethrin	ND	0.02	< 0.05
Propiconazole	ND	0.01	< 0.1
Propoxur	ND	0.01	< 0.02
Pyraclostrobin	ND	0.01	< 0.02
Pyrethrins	ND	0.025	< 0.05
Pyridaben	ND	0.02	< 0.05
Quintozene	ND	0.01	< 0.02
Resmethrin	ND	0.02	< 0.1
Spinetoram	ND	0.01	< 0.02
Spinosad	ND	0.01	< 0.1
Spirodiclofen	ND	0.02	< 0.25
Spiromesifen	ND	0.02	< 3
Spirotetramat	ND	0.02	< 0.02
Spiroxamine	ND	0.02	< 0.1
Tebuconazole	ND	0.01	< 0.05



Compounds Not Detected	Results (ppm)	RDL	Specification (HC MRL Limits)
Tebufenozide	ND	0.01	< 0.02
Teflubenzuron	ND	0.02	< 0.05
Tetrachlorvinphos	ND	0.01	< 0.02
Tetramethrin	ND	0.02	< 0.1
Thiacloprid	ND	0.01	< 0.02
Thiamethoxam	ND	0.01	< 0.02
Thiophanate-methyl	ND	0.02	< 0.05
Trifloxystrobin	ND	0.01	< 0.02

Authorized by: Laboratory Manager

Signature: VIShaTum

Details of testing

- 1. ppm (w/w): parts per million by weight, MRL: Maximum residue limits, RDL: Reporting detection limits
- 2. The compounds are ND (not detected) at or above the RDL
- 3. Health Canada and/or United States MRL are taken from Health Canada & Global MRL Database (where applicable) on the date of COA preparation
- 4. Results only apply to the items tested and to the sample(s) as received.
- 5. This report may not be distributed or reproduced except in full



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Client information COA information

Ostara Medical COA number 230417_54293_PAR14948

5331 Avenue Pierre Dansereau COA Date 17-Apr-2023

Salaberry de Valleyfield, Canada, J6S 6A2 Analysis Request ID **PAR14948**

Sample information

Sample Name OM-001-LHK-001 Sample Receiving Date 11-Apr-2023

Sample ID E1-OM-001-LHK-001 Receiving Temperature 21°C

Laboratory ID PAT46268

Results information

Analysis Date	Test	Method Ref.	Results	Units	Specification (EP 5.1.8 Microbiology)	Compliance
14-Apr-2023	Aerobic Microbial Count	EP 2.6.12	2560	CFU/g	<= 500000	PASS
16-Apr-2023	Yeast and Mo l d Count	EP 2.6.12	260	CFU/g	<= 50000	PASS
17-Apr-2023	Salmonella spp.	EP 2.6.13	Negative	/25g	Negative	PASS
17-Apr-2023	Escherichia co l i	EP 2.6.13	Negative	/g	Negative	PASS
Analysis Date	Test	Method Ref.	Results	Units	Specification (EP 5.1.8 Microbiology)	Compliance
17-Apr-2023	Staphylococcus aureus	EP 2.6.13	Negative	/g	Negative	PASS
14-Apr-2023	Pseudomonas aeruginosa	EP 2.6.13	Negative	/g	Negative	PASS
Analysis Date	Test	Method Ref.	Results	Units	Specification (EP 5.1.8 Microbiology)	Compliance
17-Apr-2023	Bile-Tolerant Gram Negative Bacteria	EP 2.6.13	<10000	MPN/g	<= 10000	PASS

Authorized by: Laboratory Manager

Signature:



Details of testing

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- 2. This report may not be distributed or reproduced except in full.



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