

Client information COA information

Ostara Medical COA number 230417\_54187\_PAR14948

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

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

Sample information

Sample Name BZK-010 Sample Receiving Date 11-Apr-2023

Sample ID E1-BZK-010 Receiving Temperature 21°C

Laboratory ID PAT46266

**Results information** 

Analysis Date Test Method Ref. Results Units
14-Apr-2023 Water activity PAT-AM-025 0.4164 aW

Authorized by: Laboratory Manager

Signature: USLATION

## **Details of testing**

- 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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Client information COA information

Ostara Medical COA number 230530\_59853\_PAR16566

5331 Avenue Pierre Dansereau COA Date **30-May-2023** 

Salaberry de Valleyfield, Canada, J6S 6A2 Analysis Request ID PAR16566

Sample information

Sample Name BZK-010 Sample Receiving Date 25-May-2023

Sample ID E5-BZK-010 Receiving Temperature 21°C

Laboratory ID PAT50862

**Results information** 

 Analysis Date
 Test
 Method Ref.
 Results
 Units

 29-May-2023
 Moisture
 PAT-AM-023(USP <731>)
 13.61
 %

Authorized by: Laboratory Manager

Signature:

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Sample Name BZK-010 Sample Receiving Date 25-May-2023

Sample ID E5-BZK-010 Receiving Temperature 21°C

Laboratory ID PAT50862 Analysis Date 28-May-2023

Method Ref. PAT-AM-019

#### **Cannabinoids Profile**

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
CBC	<0.010	<0.100	0.010
CBD	<0.010	<0.100	0.010
CBDA	0.073	0.730	0.010
CBDV	<0.010	<0.100	0.010
CBG	0,066	0,660	0.010
CBGA	0.961	9.610	0.010
CBN	<0.010	<0.100	0.010
D8-THC	<0.010	<0.100	0.010
D9-THC	0.583	5.830	0.010
THCA-A	33.863	338.630	0.010
THCV	<0.010	<0.100	0.010
Total THC	30.281	302.809	
Total CBD	0.064	0.640	

**30.281%**Total THC

**0.064%**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:

BA

## **Details of testing**

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

Sample Type:

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

# Certificate of Analysis



25-Apr-2023 Reporting Date

Ostara Médical 20-Apr-2023 Date Received Client:

BZK-010 Sample Name / Lot:

21-Apr-2023 Analysis Date CNF-1527-01 Sample ID:

**Dried Cannabis** 

2023-01209 Rev 1 Certificate Number:

Tamanaa	Mathed (Date of Leaters High Co. On a 1999)	LOD (mm)	Page It / www	D. 14 (9/)
Terpenes	Method (Date of last validation:22-04-2022)	LOD (ppm)	Resu <b>i</b> t (ppm)	Resu <b>i</b> t (%)
alpha-Pinene	GC-MS Headspace Validated Assay CN0068	10.0	2699	0.2699
Camphene	GC-MS Headspace Validated Assay CN0068	10.0	241	0.0241
Sabinene	GC-MS Headspace Validated Assay CN0068	10.0	49	0.0049
Myrcene	GC-MS Headspace Validated Assay CN0068	10.0	955	0.0955
peta-Pinene	GC-MS Headspace Validated Assay CN0068	10.0	2175	0.2175
(R)-(-)-alpha-Phellandrene	GC-MS Headspace Validated Assay CN0068	10.0	47	0.0047
(1s)-(+)-3-Carene	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
alpha-Terpinine	GC-MS Headspace Validated Assay CN0068	10.0	45	0.0045
cis-Ocimene	GC-MS Headspace Validated Assay CN0068	2.5	34	0.0034
(R)-(+)-Limonene	GC-MS Headspace Validated Assay CN0068	10.0	8615	0.8615
p-Cymene	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
trans-Ocimene	GC-MS Headspace Validated Assay CN0068	7.5	844	0.0844
Eucalyptol	GC-MS Headspace Validated Assay CN0068	10.0	72	0.0072
gamma-Terpinene	GC-MS Headspace Validated Assay CN0068	10.0	56	0.0056
Terpinolene	GC-MS Headspace Validated Assay CN0068	10.0	303	0.0303
Linalool	GC-MS Headspace Validated Assay CN0068	10.0	771	0.0771
(+/-)-Fenchone	GC-MS Headspace Validated Assay CN0068	10.0	71	0.0071
(+)-Fenchol	GC-MS Headspace Validated Assay CN0068	10.0	1145	0.1145
(-)-Isopulegol	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
(+/-)-Camphor	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
Isoborneol	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
L-Menthol	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
(+/-)-Borneol	GC-MS Headspace Validated Assay CN0068	10.0	236	0.0236
alpha-Terpineol	GC-MS Headspace Validated Assay CN0068	10.0	1562	0.1562
Geraniol	GC-MS Headspace Validated Assay CN0068	20.0	315	0.0315
(+)-Pulegone	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
Geranyl acetate	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
(-)-alpha-Santalene	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
(-)-alpha-Cedrene	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
(-)-trans-Caryophyllene	GC-MS Headspace Validated Assay CN0068	10.0	9134	0.9134
alpha-Humulene	GC-MS Headspace Validated Assay CN0068	10.0	4199	0.4199
Farnesene (sum of isomers)	GC-MS Headspace Validated Assay CN0068	20.0	826	0.0826
(+)-Valencene	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
cis-Nerolidol	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
Trans-Nerolidol	GC-MS Headspace Validated Assay CN0068	10.0	564	0.0564
(-)-Guaiol	GC-MS Headspace Validated Assay CN0068	10.0	119	0.0119
(-)-Caryophyllene oxide	GC-MS Headspace Validated Assay CN0068	10.0	253	0.0253
(+)-Cedrol	GC-MS Headspace Validated Assay CN0068	10.0	<10	<0,0010
(-)-alpha-Bisabolol	GC-MS Headspace Validated Assay CN0068	10.0	593	0.0593
., .	The state of the s		35923	
Total Terpene			35923	3.5923

LOD - Limit of Detection

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Digitally signed by Ying Zhao Date: 2023.04.25 14:48:29 -04'00'





Client information COA information

Ostara Medical COA number 230417\_54276\_PAR14948

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

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

Sample information

Sample Name BZK-010 Sample Receiving Date 11-Apr-2023

Sample ID E1-BZK-010 Receiving Temperature 21°C

Laboratory ID PAT46265

**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)	12.49	%	<= 20	PASS
Analysis Date	Test	Method Ref.	Results	Units	Specification	Compliance
14-Apr-2023	Appearance	PAT-AM-015	Big dark green buds with characteristic hair like structures and frosty crystals		NA	NA

Authorized by: Laboratory Manager

Signature:

#### **Details of testing**

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Sample Name BZK-010 Sample Receiving Date 11-Apr-2023

Sample ID E1-BZK-010 Receiving Temperature 21°C

Laboratory ID PAT46265 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: UShaTun

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Sample Name BZK-010 Sample Receiving Date 11-Apr-2023

Sample ID E1-BZK-010 Receiving Temperature 21°C

Laboratory ID PAT46265 Analysis Date 14-Apr-2023

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

Authorized by: Laboratory Manager

Signature: UShi Jun

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Sample Name BZK-010 Sample Receiving Date 11-Apr-2023

Sample ID E1-BZK-010 Receiving Temperature 21°C

Laboratory ID PAT46265 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
Lead	<0.010	ppm	0.01
Mercury	<0.005	ppm	0.005

Authorized by: Laboratory Manager

Signature: VISheTun

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Sample Name BZK-010 Sample Receiving Date 11-Apr-2023

Sample ID E1-BZK-010 Receiving Temperature 21°C

Laboratory ID PAT46265 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>&lt; 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           Clomaphos         ND         0.01         < 0.02           Cypartraniliprole         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         < 0.02           Dicklorvos         ND         0.02         < 0.02           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         0.01         < 0.02           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>&lt; 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>&lt; 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>&lt; 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         0.02         < 0.05           Dimethoate         ND         0.02         < 0.05           Dimethoarch         ND         0.02         < 0.05           Dimethoarch         ND         0.02         < 0.05           Dimethoarch         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           Dinethorvos         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
<b>Ethoprophos</b> 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: UShaTum

#### **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



This COA can be verified by scanning the QR code



## Client information COA information

Ostara Medical COA number 230601\_60142\_PAR16566

5331 Avenue Pierre Dansereau COA Date **01-Jun-2023** 

Salaberry de Valleyfield, Canada, J6S 6A2 Analysis Request ID **PAR16566** 

## **Sample information**

Sample Name BZK-010 Sample Receiving Date 25-May-2023

Sample ID **E6-BZK-010** Receiving Temperature **21°C** 

Laboratory ID PAT50861

#### **Results information**

Analysis Date	Test	Method Ref.	Results	Units	Specification (EP 5.1.8 Microbiology)	Compliance
31-May-2023	Bile-Tolerant Gram Negative Bacteria	EP 2.6.13	<10	MPN/g	<= 10000	PASS
Analysis Date	Test	Method Ref.	Results	Units	Specification (EP 5.1.8 Microbiology)	Compliance
28-May-2023	Aerobic Microbial Count	EP 2.6.12	9200	CFU/g	<= 500000	PASS
29-May-2023	Escherichia coli	EP 2.6.13	Negative	/g	Negative	PASS
30-May-2023	Yeast and Mold Count	EP 2.6.12	4800	CFU/g	<= 50000	PASS
29-May-2023	Salmonella spp.	EP 2.6.13	Negative	/25g	Negative	PASS
Analysis Date	Test	Method Ref.	Resu <b>l</b> ts	Units	Specification (EP 5.1.8 Microbiology)	Compliance
28-May-2023	Pseudomonas aeruginosa	EP 2.6.13	Negative	/g	Negative	PASS
28-May-2023	Staphylococcus aureus	EP 2.6.13	Negative	/g	Negative	PASS

Authorized by: Laboratory Manager

Signature:



## **Details of testing**

- 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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