

## CERTIFICATE OF ANALYSIS

### Client information

**Ostara Medical**  
5331 Avenue Pierre Dansereau  
Salaberry de Valleyfield, Canada, J6S 6A2

### COA information

COA number **231030\_80600\_PAR22534**  
COA Date **30-Oct-2023**  
Analysis Request ID **PAR22534**

### Sample information

Sample Name **GAS CAKE**      Sample Receiving Date **25-Oct-2023**  
Sample ID **E2-GCK-002-E**      Receiving Temperature **21°C**  
Laboratory ID **PAT67603**

### Results information

Analysis Date	Test	Method Ref.	Results	Units
30-Oct-2023	Moisture	PAT-AM-023(USP <731>)	13.13	%

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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scanning the QR code

## Sample information

Sample Name	<b>GAS CAKE</b>	Sample Receiving Date	<b>25-Oct-2023</b>
Sample ID	<b>E2-GCK-002-E</b>	Receiving Temperature	<b>21°C</b>
Laboratory ID	<b>PAT67603</b>	Analysis Date	<b>29-Oct-2023</b>
Method Ref.	<b>PAT-AM-019</b>		

## Cannabinoids Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
CBC	<0.050	<0.500	0.050
CBD	<0.050	<0.500	0.050
CBDA	0.077	0.770	0.050
CBDV	<0.050	<0.500	0.050
CBG	0.275	2.750	0.050
CBGA	1.597	15.970	0.050
CBN	<0.050	<0.500	0.050
D8-THC	<0.050	<0.500	0.050
D9-THC	2.076	20.760	0.050
THCA-A	38.133	381.330	0.050
THCV	<0.050	<0.500	0.050
<b>Total THC</b>	<b>35.519</b>	<b>355.186</b>	
<b>Total CBD</b>	<b>0.068</b>	<b>0.675</b>	

**35.519%**  
Total THC

**0.068%**  
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.

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## CERTIFICATE OF ANALYSIS

### Client information

**Ostara Medical**  
5331 Avenue Pierre Dansereau  
Salaberry de Valleyfield, Canada, J6S 6A2

### COA information

COA number **231031\_80779\_PAR22534**  
COA Date **31-Oct-2023**  
Analysis Request ID **PAR22534**

### Sample information

Sample Name **GAS CAKE**  
Sample ID **E2-GCK-002-E**  
Laboratory ID **PAT67603**  
Method Ref. **PAT-AM-022**

Sample Receiving Date **25-Oct-2023**  
Receiving Temperature **21°C**  
Analysis Date **30-Oct-2023**

### Terpenes Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
beta-Myrcene	1.155	11.550	0.001
beta-Caryophyllene	0.412	4.120	0.001
Selina-3,7(11)-diene	0.306	3.060	0.001
Linalool	0.261	2.610	0.001
D-Limonene	0.150	1.500	0.001
alpha-Humulene	0.141	1.410	0.001
cis-Nerolidol	0.125	1.250	0.001
Farnesene 1	0.108	1.080	0.005
Farnesene 5	0.067	0.670	0.005
trans-beta-Farnesene	0.055	0.550	0.001
(-)-alpha-Bisabolol	0.052	0.520	0.001
Farnesol 2	0.052	0.520	0.001
trans-beta-Ocimene	0.050	0.500	0.001
alpha-Selinene	0.047	0.470	0.001
beta-Selinene	0.045	0.450	0.001
beta-Pinene	0.043	0.430	0.001
Farnesene 4	0.025	0.250	0.005
alpha-Terpineol	0.024	0.240	0.001
1R-endo-Fenchyl-Alcohol	0.022	0.220	0.001
alpha-Pinene	0.018	0.180	0.001
Farnesene 3	0.018	0.180	0.005
Caryophyllene Oxide	0.011	0.110	0.001
Squalene	0.010	0.100	0.001
Valencene	0.010	0.100	0.001
Cedrol	0.009	0.090	0.001
Farnesene 2	0.008	0.080	0.005
Camphene	0.005	0.050	0.001
cis-beta-Ocimene	<0.005	<0.050	0.005
Piperitone	0.005	0.050	0.001
Nootkatone	0.003	0.030	0.001
Sabinene Hydrate	0.003	0.030	0.001
Terpinen-4-ol/D-Isomenthone	0.003	0.030	0.001

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
Fenchone	0.002	0.020	0.001
gamma-Terpinene	0.002	0.020	0.001
trans-Citral	0.002	0.020	0.001
(-)-Guaiol	0.001	0.010	0.001
(-)-Isopulegol	<0.001	<0.010	0.001
1,8-Cineole (Eucalyptol)	<0.001	<0.010	0.001
alpha-Cedrene	<0.001	<0.010	0.001
alpha-Phellandrene	<0.001	<0.010	0.001
alpha-Terpinene	<0.001	<0.010	0.001
alpha-Thujone	<0.001	<0.010	0.001
Borneol	<0.001	<0.010	0.001
Camphor	<0.001	<0.010	0.001
Carvacrol	<0.001	<0.010	0.001
Carvone	<0.001	<0.010	0.001
cis-Citral	<0.001	<0.010	0.001
Citronellol	<0.001	<0.010	0.001
delta-3-Carene	<0.001	<0.010	0.001
Farnesol 1	<0.001	<0.010	0.001
Geraniol	0.001	0.010	0.001
Geranyl Acetate	<0.001	<0.010	0.001
Isoborneol	<0.001	<0.010	0.001
Isobornyl Acetate	<0.001	<0.010	0.001
L-Menthone	<0.001	<0.010	0.001
Menthol	0.001	0.010	0.001
m-Isopropyltoluene	<0.001	<0.010	0.001
Nerol	<0.001	<0.010	0.001
Octyl Acetate	<0.001	<0.010	0.001
o-Isopropyltoluene	<0.001	<0.010	0.001
Phytane	<0.001	<0.010	0.001
p-Isopropyltoluene	<0.001	<0.010	0.001
Pulegone	<0.001	<0.010	0.001
Sabinene	<0.001	<0.010	0.001
Safranal	<0.001	<0.010	0.001
Terpinolene	<0.001	<0.010	0.001
Thymol	<0.001	<0.010	0.001
trans-Nerolidol	<0.001	<0.010	0.001
Verbenone	<0.001	<0.010	0.001
<b>Total Terpenes</b>	<b>3.252</b>	<b>32.520</b>	

Authorized by: Laboratory Manager

Signature: 

## Details of testing

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### Client information

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### COA information

COA number **231031\_80778\_PAR22534**  
COA Date **31-Oct-2023**  
Analysis Request ID **PAR22534**

### Sample information

Sample Name **GAS CAKE**  
Sample ID **E1-GCK-002-E**  
Laboratory ID **PAT67602**

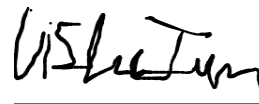
Sample Receiving Date **25-Oct-2023**  
Receiving Temperature **21°C**

### Results information

Analysis Date	Test	Method Ref.	Results	Units
31-Oct-2023	Ochratoxin A	PAT-AM-024	<0.01	ppm
30-Oct-2023	Water activity	PAT-AM-025	0.5354	aW

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Signature:



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## Sample information

Sample Name	<b>GAS CAKE</b>	Sample Receiving Date	<b>25-Oct-2023</b>
Sample ID	<b>E1-GCK-002-E</b>	Receiving Temperature	<b>21°C</b>
Laboratory ID	<b>PAT67602</b>	Analysis Date	<b>31-Oct-2023</b>
Method Ref.	<b>PAT-AM-024</b>		

## Results Information

Aflatoxins	Results	Unit	Specification (EP 2.8.18)	Compliance	LOQ
Aflatoxin B1	<0.002	ppm	<= 0.002	PASS	0.002 ppm
Aflatoxin B2	<0.002	ppm	<= 0.002	PASS	0.002 ppm
Aflatoxin G1	<0.002	ppm	<= 0.002	PASS	0.002 ppm
Aflatoxin G2	<0.002	ppm	<= 0.002	PASS	0.002 ppm
Total Aflatoxins (B1,B2,G1,G2)	<0.002	ppm	<= 0.004	PASS	0.002 ppm

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## Sample information

Sample Name	<b>GAS CAKE</b>	Sample Receiving Date	<b>25-Oct-2023</b>
Sample ID	<b>E1-GCK-002-E</b>	Receiving Temperature	<b>21°C</b>
Laboratory ID	<b>PAT67602</b>	Analysis Date	<b>30-Oct-2023</b>
Method Ref.	<b>PAT-AM-020 (USP 233 Modified)</b>		

## Results Information

Heavy Metals	Results	Unit	Specification (USP 232(Inhalation Limits))	Compliance	LOQ
Arsenic	<0.025	ppm	<= 0.2	PASS	0.025
Cadmium	<0.020	ppm	<= 0.3	PASS	0.02
Lead	<0.010	ppm	<= 0.5	PASS	0.01
Mercury	<0.005	ppm	<= 0.1	PASS	0.005

Authorized by: Laboratory Manager

Signature: 

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## Sample information

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Sample Name	<b>GAS CAKE</b>	Sample Receiving Date	<b>25-Oct-2023</b>
Sample ID	<b>E1-GCK-002-E</b>	Receiving Temperature	<b>21°C</b>
Laboratory ID	<b>PAT67602</b>	Analysis Date	<b>26-Oct-2023</b>
Method Ref.	<b>PAT-AM-026(USP &lt;561&gt;)</b>		

## Results Information

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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: 

## Details of testing

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## Sample information

Sample Name	<b>GAS CAKE</b>	Sample Receiving Date	<b>25-Oct-2023</b>
Sample ID	<b>E1-GCK-002-E</b>	Receiving Temperature	<b>21°C</b>
Laboratory ID	<b>PAT67602</b>	Analysis Date	<b>31-Oct-2023</b>
Method Ref.	<b>PAT-AM-024</b>		

## Pesticides Dried Cannabis Results Information

Compound Detected	Results (ppm)	RDL	Specification (HC MRL Limits)	Compliance
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No Compounds Detected

Compounds Not Detected	Results (ppm)	RDL	Specification (HC MRL Limits)
Abamectin	ND	0.02	< 0.1
Acephate	ND	0.02	< 0.02
Acequinocyl	ND	0.02	< 0.03
Acetamiprid	ND	0.02	< 0.1
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	0.02	< 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
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	< 0.25
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
Ethoprophos	ND	0.01	< 0.02

<b>Compounds Not Detected</b>	<b>Results (ppm)</b>	<b>RDL</b>	<b>Specification (HC MRL Limits)</b>
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	0.01	< 0.02
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	0.01	< 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: 

### 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
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