

Silliker Canada Co. Ltd.

106-8255 North Fraser Way, Burnaby, BC V3N 0B9

Tel. 888-314-0779 Fax. 604-432-7768

Email: getresults-core@mxns.com

COA No:	BRN-45883221-0
Supersedes:	BRN-45861841-0
COA Date	4/20/22
Page 1 of 2	

Received From:	BC
Received Date:	3/24/22

Location of Test: (except where noted)	Burnaby, BC
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Analytical Results

Laboratory ID: 417354883 **Condition Rec'd:** NORMAL **Temp Rec'd (°C):** 14.2

Sample Name: 22C04-1099-E18NP

Additional field 1: Fulvic Acid Powder

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method Reference</u>	<u>Method</u>	<u>Test Date</u>	<u>Loc.</u>
- Defined Dosage or Serving Size	100	mg	Client Method		4/13/22	
Bulk Density	0.71	g/mL	Internal method		4/7/22	MRK
* ICP MS Full Mineral Screen			AOAC2015.01Mod<223: M-C043 / M-C032d		4/20/22	

Antimony	0.31	ppm (w/w)
Arsenic	0.0002	mg/dose
Barium	24.2	ppm (w/w)
Beryllium	0.14	ppm (w/w)
Bismuth	<0.02	ppm (w/w)
Boron	0.015	mg/dose
Cadmium	0.000002	mg/dose
Calcium	0.376	mg/dose
Chromium	0.0002	mg/dose
Cobalt	2.15	ppm (w/w)
Copper	0.0007	mg/dose
Iron	0.069	mg/dose
Lead	0.00008	mg/dose
Lithium	23.1	ppm (w/w)
Magnesium	0.049	mg/dose
Manganese	0.005	mg/dose
Mercury	0.000004	mg/dose
Molybdenum	0.0001	mg/dose
Nickel	6.99	ppm (w/w)
Phosphorus	0.01	mg/dose
Potassium	20.5	mg/dose
Selenium	0.00007	mg/dose
Silver	<0.02	ppm (w/w)
Sodium	1.66	mg/dose

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Analytical Results

Laboratory ID: 417354883 **Condition Rec'd:** NORMAL **Temp Rec'd (°C):** 14.2
Sample Name: 22C04-1099-E18NP

Additional field 1: Fulvic Acid Powder

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method Reference</u>	<u>Method</u>	<u>Test Date</u>	<u>Loc.</u>
Strontium	27.0	ppm (w/w)				
Thallium	0.06	ppm (w/w)				
Tin	0.12	ppm (w/w)				
Titanium	81.0	ppm (w/w)				
Uranium	0.19	ppm (w/w)				
Vanadium	9.80	ppm (w/w)				
Zinc	0.006	mg/dose				
Zirconium	21.9	ppm (w/w)				
* Moisture - Vacuum Oven	0.24	% (w/w)	AOAC 925.45D	QA-0200-4101	3/31/22	
* pH	5.22	-	AOAC 981.12	QA-0270-5304	3/30/22	
Sample Prep	5% Solution	-				
Aerobic Colony Count USP	490	CFU/g	Current USP/NF, 2021	QA-0050-0202	3/27/22	
E. coli USP	Absent	/10g	Current USP/NF, 2022		3/27/22	
Pseudomonas aeruginosa USP	Absent	/10g	Current USP/NF, 62	QA-0050-0905	3/27/22	
Salmonella USP	Absent	/10g	Current USP/NF, 2022		3/27/22	
Staphylococcus aureus USP	Absent	/10g	Current USP/NF, 2022	QA-0050-0402	3/27/22	
Yeasts and Molds USP			Current USP/NF, 2021	QA-0050-0629	3/29/22	
Yeast	<10	CFU/g				
Mold	<10	CFU/g				

† Reporting units including LOD or LOQ modified at the request of the client: ICP MS Full Mineral Screen

Marco Yeung Laboratory Director

Noted Test Locations: MRK-Silliker Canada Co., 90 Gough Road, Unit 4, Markham, Ontario L3R 5V5

I Customer supplied information * ISO17025 Accredited Analysis † Indicates reason for COA amendment when applicable

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COA No:	BRN-45883061-0
Supersedes:	BRN-45861842-0
COA Date	4/20/22
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Received From:	BC
Received Date:	3/24/22

Location of Test: (except where noted) Burnaby, BC
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Analytical Results

Laboratory ID: 417355039 **Condition Rec'd:** NORMAL **Temp Rec'd (°C):** 14.2
Sample Name: 22C04-1099-E05NP

Additional field 1: Humic Acid Powder

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method Reference</u>	<u>Method</u>	<u>Test Date</u>	<u>Loc.</u>
- Defined Dosage or Serving Size	250	mg	Client Method		4/13/22	
Bulk Density	0.69	g/mL	Internal method		4/7/22	MRK
* ICP MS Full Mineral Screen			AOAC2015.01Mod<223: M-C043 / M-C032d		4/20/22	

Antimony	0.28	ppm (w/w)
Arsenic	0.0007	mg/dose
Barium	224	ppm (w/w)
Beryllium	0.62	ppm (w/w)
Bismuth	0.09	ppm (w/w)
Boron	0.023	mg/dose
Cadmium	0.00003	mg/dose
Calcium	4.1	mg/dose
Chromium	0.002	mg/dose
Cobalt	4.15	ppm (w/w)
Copper	0.003	mg/dose
Iron	1.71	mg/dose
Lead	0.001	mg/dose
Lithium	4.0	ppm (w/w)
Magnesium	0.47	mg/dose
Manganese	0.042	mg/dose
Mercury	0.00001	mg/dose
Molybdenum	0.0002	mg/dose
Nickel	12.3	ppm (w/w)
Phosphorus	0.031	mg/dose
Potassium	13.7	mg/dose
Selenium	0.0006	mg/dose
Silver	0.04	ppm (w/w)
Sodium	1.16	mg/dose

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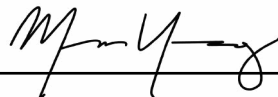
Analytical Results

Laboratory ID: 417355039 Condition Rec'd: NORMAL Temp Rec'd (°C): 14.2
 Sample Name: 22C04-1099-E05NP

Additional field 1: Humic Acid Powder

Analyte	Result	Units	Method Reference	Method	Test Date	Loc.
Strontium	159	ppm (w/w)				
Thallium	0.09	ppm (w/w)				
Tin	0.37	ppm (w/w)				
Titanium	402	ppm (w/w)				
Uranium	0.98	ppm (w/w)				
Vanadium	9.81	ppm (w/w)				
Zinc	0.011	mg/dose				
Zirconium	37.7	ppm (w/w)				
* Moisture - Vacuum Oven	0.22	% (w/w)	AOAC 925.45D	QA-0200-4101	3/31/22	
* pH			AOAC 981.12	QA-0270-5304	3/30/22	
pH	5.07	-				
Sample Prep	5% Solution	-				
Aerobic Colony Count USP	7400	CFU/g	Current USP/NF, 2021	QA-0050-0202	3/27/22	
E. coli USP	Absent	/10g	Current USP/NF, 2022		3/27/22	
Pseudomonas aeruginosa USP	Absent	/10g	Current USP/NF, 62	QA-0050-0905	3/27/22	
Salmonella USP	Absent	/10g	Current USP/NF, 2022		3/27/22	
Staphylococcus aureus USP	Absent	/10g	Current USP/NF, 2022	QA-0050-0402	3/27/22	
Yeasts and Molds USP			Current USP/NF, 2021	QA-0050-0629	3/29/22	
Yeast	<10	CFU/g				
Mold	<10	CFU/g				

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