

Analysis Report

GU19-06580.003

Client: Agrowcultural Organics Inc
12 - 16715 Yonge St
Newmarket, ON L3X 1x4

Job Number: GU19-06580
Received: 31-Oct-2019
Completed: 01-Nov-2019

nick@agriculturex.com

Submitted for: Agrowcultural Organics-Solution Complete

Client Sample ID: Orchid Rx

Analysis	Results (unit)		Standardized Analysis	
pH	7.90		-- --	-- --
EC (Total Salt)	0.59 (mmhos/cm)		2.0 (mmhos/cm)	-- --
Nitrate Nitrogen	5.00 (ppm)	0.36 (mmol/L)	26.8 (ppm)	1.9 (mmol/L)
Chloride	11.00 (ppm)	0.31 (mmol/L)	59.0 (ppm)	1.7 (mmol/L)
Bicarbonate	106.75 (ppm)	1.75 (mmol/L)	572.5 (ppm)	9.4 (mmol/L)
Total Hardness	70.21 (ppm)		376.5 (ppm)	
Phosphorus	8.65 (ppm)	0.28 (mmol/L)	46.4 (ppm)	1.5 (mmol/L)
Potassium	27.71 (ppm)	0.71 (mmol/L)	148.6 (ppm)	3.8 (mmol/L)
Calcium	5.57 (ppm)	0.14 (mmol/L)	29.9 (ppm)	0.8 (mmol/L)
Magnesium	5.21 (ppm)	0.22 (mmol/L)	27.9 (ppm)	1.2 (mmol/L)
Sulphate	211.02 (ppm)	2.19 (mmol/L)	1,131.6 (ppm)	11.7 (mmol/L)
Sodium	49.90 (ppm)	2.17 (mmol/L)	267.6 (ppm)	11.6 (mmol/L)
Zinc	2.89 (ppm)	44.26 (µmol/L)	15.5 (ppm)	237.4 (µmol/L)
Manganese	5.18 (ppm)	94.25 (µmol/L)	27.8 (ppm)	505.4 (µmol/L)
Copper	0.55 (ppm)	8.56 (µmol/L)	2.9 (ppm)	45.9 (µmol/L)
Iron	11.71 (ppm)	209.64 (µmol/L)	62.8 (ppm)	1,124.2 (µmol/L)
Boron	21.19 (ppm)	1962.54 (µmol/L)	113.6 (ppm)	10,524.4 (µmol/L)
Molybdenum	0.32 (ppm)	3.32 (µmol/L)	1.7 (ppm)	17.8 (µmol/L)
Silicon	<1.00 (ppm)	<35.60 (µmol/L)	-- --	-- --
Anions	7.09 (meq/L)		-- --	
Cations	6.64 (meq/L)		-- --	
Ammonium Nitrogen	42.90 (ppm)	3.05 (mmol/L)	230.1 (ppm)	16.4 (mmol/L)

Signed and dated in Guelph, ON
On 05-Nov-2019

For and on behalf of SGS Canada Inc., Agriculture and Food



David Boyle, PhD
Senior Chemist

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Page 1 of 1

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