

Greenhouse & Vertical Farming Packages

2024



SGS

SOLUTION & WATER

Complete Solution

For fertilizer solutions

Total salt (EC), pH, nitrate nitrogen, phosphorus, potassium, calcium, magnesium, sodium, chloride, sulphate, zinc, manganese, copper, iron, boron, silicon, molybdenum, bicarbonate, ammonium nitrogen

Complete Water

For water without fertilizer

Total salt (EC), pH, nitrate nitrogen, phosphorus, potassium, calcium, magnesium, sodium, chloride, sulphate, zinc, manganese, copper, iron, boron, silicon, molybdenum, total hardness, bicarbonate, total dissolved solids

SOIL-LESS MEDIA

Basic

pH, nitrate nitrogen, phosphorus, potassium, calcium, magnesium, total salt (EC), sodium, chloride, sulphate

Complete

Basic plus ammonium nitrogen, zinc, manganese, copper, iron, boron, molybdenum, aluminum

Options

(If no package is selected, a base fee will apply)

Ammonium Nitrogen
Organic Matter

PLANT TISSUE PACKAGES

Basic

Nitrogen, phosphorus, potassium, magnesium, calcium

Complete

Basic plus zinc, manganese, copper, iron, boron, sulphur

Options

(If no package is selected, a base fee will apply)

Sulphur
Nitrate Nitrogen
Molybdenum
Chlorides
Aluminum

FERTILIZERS

N, P205, K20

Nitrogen, available phosphorus, soluble potash

N
P₂O₅
K₂O

DNA MULTISCAN

This analysis can detect the presence of plant pathogenic and beneficial organisms in various mediums quickly and simultaneously.

Levels are reported as high, medium, low and not detected.

Basic Scan

Best suited to monitor and detect the presence of 30 common plant pathogens in soil, water and plant tissue including Pythium, Phytophthora and Verticillium.

Diagnostic Scan

Best suited as a diagnostic tool; can detect the presence of over 60 pathogens, sub-species and beneficial organisms.

Additional Tests

Bacterial Tomato Canker only

MICROBIOLOGICAL TESTS

Total Coliform

E. Coli

Faecal Coliform

Listeria

Faecal Streptococcus

Salmonella +/-

Salmonella Positive Confirmation

Minimum sample size: 250 ml

Sterile bottle required — Microbiological analysis will be on a separate report.

Please submit your sample at the beginning of the week to ensure accurate results.

Samples arriving after Thursday 1pm, will not be accepted.

COMPOST PACKAGES

Compost I

Dry matter, nitrogen, organic matter, organic carbon, C/N ratio, pH, total salt (EC), phosphorus, potassium, calcium, magnesium, sodium

Compost II

Compost I plus cadmium, cobalt, chromium, copper, mercury, molybdenum, nickel, lead, selenium, zinc, arsenic, manganese, aluminum

Options

PCB
Foreign Material
Solvita Test

GREEN ROOF PACKAGES

Rooftop Substrate

Sand fraction, bulk density, water content, total pore space, maximum water capacity, air filled porosity, hydraulic conductivity/ permeability, organic matter, largest grain size.

Physical Properties

Total porosity, total air space, water holding capacity, bulk density, moisture.

Supplies and Forms

If you require sample containers or submission forms, please contact the laboratory.

Contact details:

SGS GUELPH

503 Imperial Rd. N, Unit 1
Guelph, Ontario, N1H 6T9

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🌐 <https://cropscience.sgs.ca>

Prices subject to applicable taxes and may be changed without notice. Prices effective February 2024. Rates are in Canadian funds.

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