

Greenhouse & Vertical Farming Packages

Price List
2026

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 may apply)

Sulphur
Nitrate Nitrogen
Molybdenum
Chloride
Aluminum

FERTILIZERS

N, P2O5, K2O

Nitrogen, available phosphorus, soluble potash

N

P₂O₅

K₂O

FUNGAL, BACTERIAL & VIRUS SCANS

Several packages are offered to detect plant pathogens and beneficial organisms in water, media, soil, and plant material.

HH Pathogen ONE

Select 1 fungal or bacterial pathogen to detect such as *Clavibacter michiganensis* (tomato canker). Results in 4-5 days.

HH Pathogen ONE Virus

Select 1 viral pathogen to detect such as ToBRFV, PepMV, or CGMMV. Results in 4-5 days.

NEW! HH ALIVE & DEAD

Detects a growing list of plant pathogens with viability (live vs dead). Pair with the Pathogen ONE package to see the ratio of Living to Dead cells

HH Fungal Scan

Best for large scale detection of fungi, fungal-like and oomycetes (400+ targets)

HH HEALTH+

New and improved detection of all bacteria, fungi and water molds. Beneficial species are also included. Individual add-ons are available.

OPTIONAL ADD-ONS each

Plants, Insects, Algae, Nematodes, Amphibians, Fish, Eukaryotes (General)

HH HEALTH+ COMPLETE

A Multi-kingdom scan covering all bacteria, fungi, protists, plants, and insects.

PESTICIDE SCREENS

Pesticide testing can be performed on water, soil and plant material. Included chemicals can be provided upon request

GC/LC Scan

Over 400 chemical pesticides are included when testing by both GC and LC. Only those detected will be reported

Polar A Screen (Glyphosate)

Includes 15 chemicals including AMPA, glyphosate, glufosinate and perchlorate

Polar B Screen

(Diquat, Melamine, Paraquat)

Includes 20 chemicals

Diquat and Paraquat not available for soil

Phenoxy Acid Herbicides

(2,4-D and dicamba)

Includes 20 broadleaf herbicide chemicals

Please submit 50-100g for soil and plant tissue, or 50-100 ml for water samples. Phenoxy Acid Herbicide scan requires 1 liter of water

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.

MICROBIOLOGICAL TESTS

Positive confirmation charge may apply

Total Coliform

E. Coli

Faecal Coliform

Listeria

Faecal Streptococcus

Salmonella +/-

Bacteria 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 Maturity Test

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

1-800-265-7175

ca.agri.guelph.lab@sgs.com

<https://cropscience.sgs.ca>