



ANALYTICAL CHEMISTRY SERVICE

Veritec is Scion's analytical chemistry laboratory specialising in forestry related samples and material testing. Veritec provides a variety of component level tests focused on soil, foliage, waste water, wood and wood preservation.

- **Foliage analysis.** Identifying nutrient levels and performing elemental analyses in plant material; providing fertiliser recommendations. Instruments used are the Microwave Digester, Carbon & Nitrogen Analyser and the ICP MS.
- **Soil analysis.** Analysing soils / sludges / vermicompost for nutrient and elemental testing including heavy metals; PRS probe testing; physical parameters such as particle size, macroporosity and particle density; providing fertiliser recommendations for nursery samples; instruments utilised Microwave Digester, Carbon & Nitrogen Analyser, ICP-MS and FIA (flow injection analysis).
- **Water/wastewater nutrient analysis.** Determining aspects of site water quality as an indicator of environmental health; nutrient and elemental analyses; pH and conductivity; instruments utilised Microwave Digester, Carbon & Nitrogen Analyser, ICP-MS and FIA (flow injection analysis).
- **Wood preservation.** Analysing wood and solution samples for wood preservatives including boron, copper, CCA, tin, permethrin and triazoles.
- **Carbohydrate and lignin analysis.** Determining extractive, carbohydrate and lignin levels in wood and pulp products, which allow manufacturers to tailor their processes and work more efficiently.
- **Solid biofuels (wood chip and pellet analysis).** Enabling classification of wood/biofuels based on particle size, moisture content, ash content, bulk density and energy density using the Bomb Calorimeter.

For more details about our testing services and submitting samples see www.scionresearch.com/veritec

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