

Leco TruMac Total Carbon, Nitrogen and Sulfur Analyser

What is it?

- Determines carbon/nitrogen/sulfur in characteristically heterogeneous, difficult to prepare, or low-level samples in approx. 6 minutes.

Where is it?

- W23 Agronomy and Soil Science Carbon Lab Room 1.06

What does it do?

Determines carbon/nitrogen/sulfur in organic matrices such as foods, feeds, soils and fertilizers. This macro system uses the Dumas method of combustion at 1100°C and large ceramic boats. Complete oxidation occurs and an aliquot of the combustion gases is taken for C/N/S determination. Windows -based operating software manages all of the quantitative calculations the final result can be displayed as a weight percentage or in parts-per-million as defined by the operator.

Who can use it?

- Anyone who has been inducted and is undertaking UNE related research, teaching or external consultancies.

What training and access?

- Full laboratory induction and instruction on the operation of the instrument as well as sample preparation instructions will be given for the Leco TruMac. Access to the lab after hours can be organised with the laboratory manager and student supervisor's permission.

Who to see?

- Contact Technician: Leanne Lisle; llisle@une.edu.au
- Contact Technician: Elizabeth Marshall; emarsha7@une.edu.au

