



# Specialist Chemistry

**SOCOTEC's Specialist Chemistry laboratory offers a broad range of tests on diverse sample matrices, as well as providing our clients with expert analytical support.**

**Our services include:**

- Agrichemical and pharmaceutical compounds using GC/MS/MS and LC/MS/MS techniques
- Anions and cations in a range of matrices including:
  - Rainwater samples and impinger samples of water, hydrogen peroxide, sodium hydroxide, sulphuric acid, potassium permanganate and isopropyl alcohol
- Aldehydes, ketones, tax dyes and organic acid analysis
- Characterisation testing of unknowns
- Dioxin and furan analysis including dioxin like PCBs and PAHs for stack emission monitoring
- Environmental forensics
- Mercury analysis
  - Low level mercury in waters
  - Mercury on charcoal tubes
  - Mercury to BS EN 13211
- Metals to BS EN standards in filters, absorption solutions and rinses
- Polyaromatic hydrocarbon analysis of polyurethane foam plugs, filters and XAD traps
- Trace metals in a range of matrices, including:
  - Packaging materials, medical devices, pharmaceutical products, effluents, oils, paints and coolants
- Volatile organic analysis, BTEX and landfill gases on tedlar bags and ATD tubes

Our Specialist Chemistry laboratory utilises a multitude of techniques, including GC/MS/MS, LC/MS/MS, ICP-AES, ICP-MS, IC, CVAFS, GC-MS, ATD-GC-MS, HR-GC-MS, GC-FID, FTIR, HPLC and SEM-EDX to develop new methods specific to clients' requirements.

## MORE ABOUT OUR SERVICES

If you would like to find out more about our Specialist Chemistry testing solutions or to discuss your testing requirements please contact [salesuk@socotec.com](mailto:salesuk@socotec.com) or call 0845 603 2112.