

Analytical Techniques and Instrumentation

Onyx has assembled a state of the art analytical laboratory staffed with highly experienced analytical chemists. We provide a fast, flexible and reliable service to our clients in the pharmaceutical, food and petrochemical industries.

NMR Spectroscopy

Onyx offers an efficient ^1H and ^{13}C NMR service and can provide data in both electronic and paper formats. Onyx can also assign and interpret data when requested.

- Bruker AC3000 Series NMR 300mz Spectrometer
- NMR Software

Mass Spectrometry

Our fully automated Esquire mass spectrometer is coupled with HPLC enabling us to offer both MS and LC-MS to our clients.

- Esquire 3000+ MS-ESI Ion Trap Mass Spectrometer

Liquid Chromatography

We provide an extensive range of services including achiral and chiral method development, validation, impurity identification and profiling.

- 6 x Agilent 1100 Series HPLC
- Agilent 1100 Series Preparative HPLC
- Various detectors including VWD, DAD, ELSD and MS

Gas Chromatography

- 2 x Agilent 6890 Series HRGC
- FID Detector
- Headspace analysis

Other Services

Onyx provides an extensive range of additional services that include:

- FTIR spectroscopy
- UV/Vis spectrscopy
- Karl Fischer water content analysis
- 1100°C Furnace for ash testing
- Melting point analysis