



Thomas Swan continues to invest in Analytical Development.

We recognise the value and importance of performing analytical development and method verification.

Synchronised perfectly with process development, this ensures all projects are delivered safely, to an agreed specification and on time.

Our extensive range of in-house chemical and physical characterisation tools includes:

Multiple GC facilities with a varied range of detectors including FID and TCD plus liquid and headspace injection techniques

GCMS (Assistance with impurity profiling)

Multiple HPLC's with UV, Diode Array and Refractive Index detection

Raman Spectroscopy (Useful for carbon hybridisation determination)

Molecular spectroscopy techniques (FTIR & uv-visible)

ICP-OES (Broad range elemental analysis to ppm levels)

TGA (Accurate measurement of mass loss vs temperature up to 1100°C)

Moisture determination by Karl Fisher (coulometric and volumetric techniques)

DSC (operating temperatures between -70°C to 400°C)

Malvern Mastersizer 3000 (particle size distribution measurement)

Wide range of viscosity measurements including Cone and Plate and Brookfield




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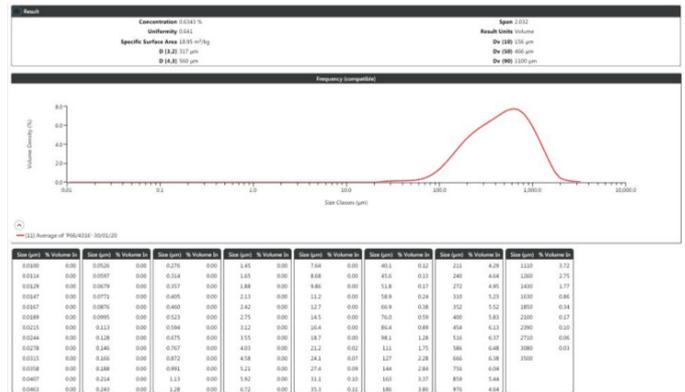
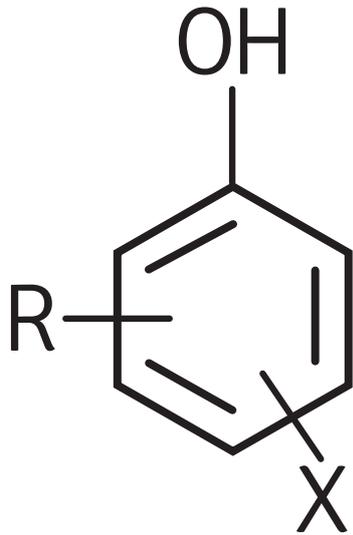
Samples and data sheets can be provided on request in line with our divisional literature and sampling policy.



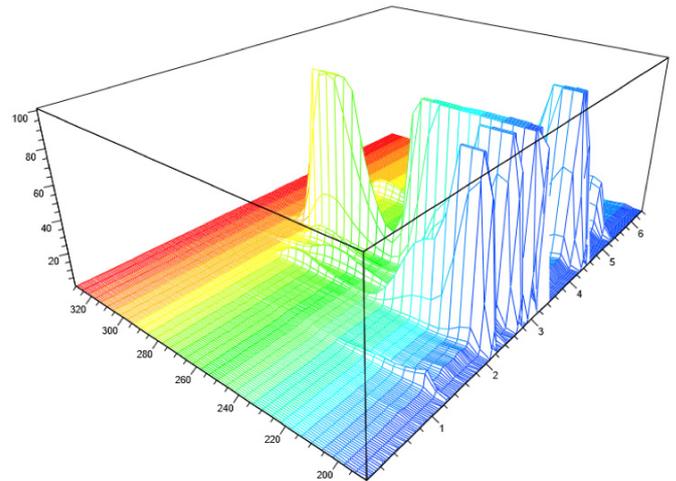
Committed to Responsible Care

Our broad range of analytical techniques is ideal for elucidating chemical structure and the determination of physical properties/purity.

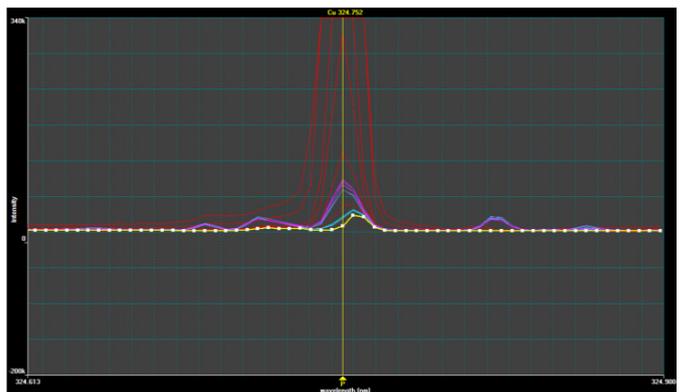
For example:



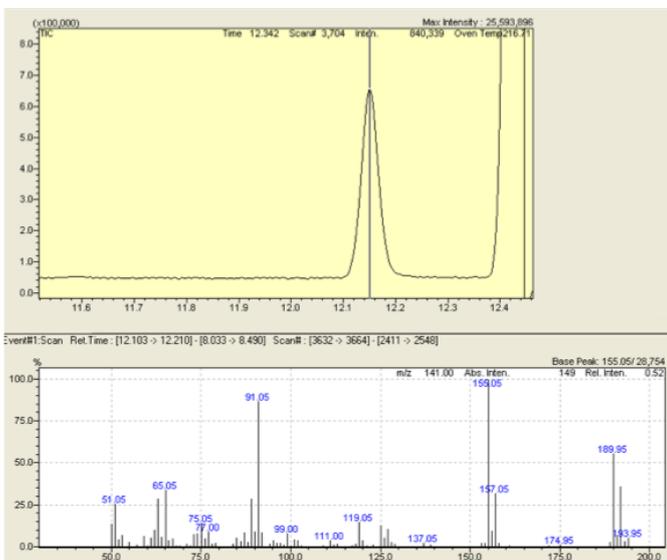
Mastersizer to report particle size distribution



HPLC to determine assay and impurity levels



ICP to quantify residual metals



GC-MS to confirm impurity identities

