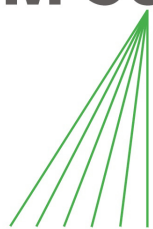


M-Scan



Mass Spectrometry
Consultants and Analysts

Synthetic Polymer Analysis

M-Scan was founded in 1979 to provide analytical and consulting services, particularly in organic mass spectrometry and chromatography. **M-Scan's** consulting laboratories in the UK, USA and Switzerland offer a full range of MS, GC and HPLC techniques and specialise in detailed compositional analysis. Appropriate analytical procedures are selected carefully to solve customer problems on a confidential, professional and cost-effective basis in accordance with GLP/cGMP as required.

M-Scan has a range of established methods for the analysis of synthetic polymers, residual monomers and additives. These include:

- Probe EIMS to detect additives such as antioxidants/UV stabilisers and chlorinated/brominated fire retardants.
- Pyrolysis/EIMS to allow polymeric materials to be characterised by inspection of thermal degradation products.
- Direct thermal desorption/GC-MS to detect and quantify free monomers, other volatile impurities and malodours.
- Solvent extraction/GC-MS to determine additives such as antioxidants and stabilisers.
- MALDI-TOF MS to determine average molecular weight and polydispersity of certain polymers, such as polystyrene, PMMA and a wide range of alkoxyated products.
- GC-MS to characterise polyalphaolefins (PAO).

All services are provided on a fully confidential basis. All M-Scan reports are peer reviewed and, when required by the client, studies are conducted in accordance with the UK GLP Compliance Programme.

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