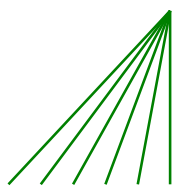


M-Scan



Determination of Solvent Residues

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, Germany 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 offers particular analytical expertise in the detailed identification and quantification of residual solvents in pharmaceutical products, such as synthetic peptides.

A portion (1 to 4 mg) of the product in question is placed into a pre-cleaned glass thermal desorption tube and analysed by the validated M-Scan procedure incorporating:

- Thermal desorption at a suitable temperature (50°C to 150°C for most compounds) using a PE TurboMatrix automatic thermal desorber.
- Thick film GC-MS analysis using a PE Clarus GC mass spectrometer.
- Identification of desorbed components by library matching and inspection of individual mass spectra, mass chromatograms and GC retention data.
- Analysis of a blank.
- Quantification of individual solvent residues by reference to an appropriate external standard.

The above M-Scan approach has been applied to peptides, proteins, pharmaceutical preparations, polymers and other products.

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M-Scan Analytical Excellence Since 1979

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