Flash Point Tests in the Pharmaceutical Industry

Active Pharmaceutical Ingredients (API's) used in the production of pharmaceuticals include many volatile chemicals which have a low flash point and are categorised as flammable.

Safely storing, using, transporting and disposing of flammable chemical solvents is heavily regulated and flash point tests on raw materials, finished products, packaging material and medical devices assists compliance with Pharmacopoeia standards, International Safety and Transport regulations.

Setaflash - the preferred test method

The Setaflash instrument requires just 2ml of sample which enables the target temperature to be reached quickly, typically within 1-2 minutes. Many traditional flash point tests require a much larger volume of sample (typically 70-80ml) and also take 30 minutes or longer to perform, so most operators opt for the Setaflash Small Scale Closed Cup test - ASTM D3828 which is fully specified for flash point testing of pharmaceuticals.

The Setaflash instrument is a simple and cost effective test that can be undertaken on-site with minimum operator skill. Results ensure that a product complies with transport safety regulations, small sample volume reduces the wastage costs of testing for flash point. Flash point is the property most commonly used to classify materials as flammable or combustible. By law all Manufacturer's must provide a Material Safety Data Sheet (MSDS) showing basic information about the properties of a specific chemical or solvent, including flash point. UN, CLP, OSHA and many other classifications are based upon flash points determined by Setaflash Closed Tester, (ASTM D3278) and Small Scale Closed Tester, (ASTM D3828).

Further information about Setaflash small scale flash point testing can be found at www.stanhope-seta.co.uk/small-scale-flashpoint-testing.asp or by scanning the QR code below.

Stanhope-Seta, London Street, Chertsey, Surrey, KT16 8AP, UK
t: +44 (0) 1932 564391 | e: sales@stanhope-seta.co.uk | www.stanhope-seta.co.uk