

Additional Chemical Analysis Services



Karl Fischer Moisture Analysis

Determination of percentage levels of water contained in samples using volumetric or coulometric methods. Sample size required: 10-100 mg

Loss On Drying (LOD)

Determination of the amount of water or volatile solvents in samples by heating at a specified temperature with or without vacuum. Sample size required: 0.1-1 g

Molecular Weight Confirmation

Confirmation of molecular weight by mass spectrometry. Combine with elemental analysis to calculate empirical formula. Sample size required: 1-2 mg

Infrared Analysis (FTIR)

A powerful problem-solving tool useful in the characterization and identification of organic compounds or reference standards. Various sample handling accessories, including Attenuated Total Reflectance (ATR) and Diffuse Reflectance (DRIFTS), allow nearly any type of solid sample to be analyzed. Liquids can be examined by either traditional IR techniques or with a Liquid Prism Cell. The ability of FTIR to handle nearly any size and type of material makes it one of the most versatile techniques available. Sample size required: 2-5 mg

Thermogravimetric Analysis (TGA)

A technique which measures the weight loss of a sample as it is heated. With the ability to ramp up to 900°C, this tool is extremely useful for evaluating the solvent or water content (and the temperatures where they are released), as well as the thermal decomposition of samples. Sample size required: 10-50 mg

Residue on Ignition (ROI)

Performed following current USP procedures. Sample size required: At least 1 g

Heavy Metals

Performed following current USP procedures. Sample size required: At least 1 g

Organic Volatile Impurities (OVI) Residual Solvents

Performed following current USP procedures. Sample size required: 100-500 mg

For further information and a price quotation, please contact Ms. Laura Newkirk.



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