

Differential Scanning Calorimetry (DSC)



Differential Scanning Calorimetry (DSC) is the measurement of heat absorption or heat loss from a sample as a function of temperature. Melting points and phase transitions of pharmaceutical products can be determined, as well as glass-transition (T_g) temperature of polymers. This data provides information about the identity, quality, purity and stability of a wide variety of materials.

Applications

- Sample Identification through Use of Melting Points
- Polymorph Differentiation
- Purity Determinations
- Compatibility and Stability Studies
- Measurement of T_g (Glass Transition Temperatures) in Polymers
- Measurement of Heat of Fusion (ΔH_f)

Used alone or in conjunction with the other analytical techniques below, DSC is another tool used to characterize pharmaceuticals, polymers and organic chemicals.

Additional analytical support capabilities

- Thermogravimetric Analysis
- X-Ray Powder Diffraction
- Mass Spectrometry
- Elemental Analysis
- Infrared Analysis (FTIR)
- Graphite Furnace Atomic Absorption Spectrometry

Electronic Data Transfer

By fax, email or modem

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



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