Low Temperature Dynamic Difference Calorimetry

NETZSCH DSC 204F1 Phoenix

Principle

Dynamic difference calorimetry (DSC) for the determination of melting points, polymorphy, phase diagrams, eutectic purity, crystallinity of substances, phase transitions (solid-solid; solid-liquid), glas transition, specific heat, cross linking, oxidation stability, decomposition

Manufacturer	NETZSCH
Temperature Range	-150 °C to 700 °C
Atmosphere	• Vacuum • Inert *(argon, nitrogen, helium)* • Synthetic air
Resolution	τ-Sensor *(3,2 µV/mW)*
Heating Rate	0.001 to 200 K/min
Samples	Powder, slices *(diameter 4 mm, thickness < 1 mm)*
Optional coupling with	Mass spectrometer NETZSCH Aeolos QMS