Crystal Structure and Particle Size & Surface Area Analysis

1. Bruker D2-Phaser XRD
2. Bruker D8 Advance XRD
3. Malvern Nano-ZS Zeta Sizer
4. Micromeritics 3Flex BET
X-ray Diffractometers (XRD)

Instrument models available
• Bruker D2 Phaser XRD
• Bruker D8 Advance XRD

Key features of D2 Phaser XRD
• The D2 PHASER with LYNXEYE detector is the most compact and fastest, all-in-one crystalline phase analysis tool available on the market
• Desktop diffractometer equipped with an integrated PC and a flat screen monitor
• LYNXEYE™ detector for collection of high quality X-ray powder diffraction data with unprecedented speed
• Tube power 30kV/10mA
• Anode Cu

Key features of D8 Advance XRD
• Power at 40KV, 40mA
• X-ray tube is Cu, 2.2KW
• Usable angular range (2theta) is 1-140°
• Smallest angular step size is 0.0001°
• Scintillation counter detector
• 9-position auto sampler

Location: N1.2-B4-13
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Zeta Potential and Nano Sizer

Key features of Malvern Nano-ZS
• Measurement principle Dynamic Light Scatter (DLS)
• Measurement range 0.3 nm to 10 μm (diameter)
• Minimum sample volume 12 μL

Location: N1.3-B4-21
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Micromeritics 3Flex BET

Key features of MI 3 Flex
• 3 analysis ports, 2 micro- and 1 meso- pore analysis.

Location: N1.2-B3-06
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