

# X-Ray Diffraction Facility at USF

University of South Florida, Department of Chemistry  
USF Research Park, 3720 Spectrum Blvd, IDR B 211B, Tampa, FL 33612  
Director: Lukasz Wojtas, PhD; Email: lwojtas@usf.edu; Phone: 813-974-3451

Unit cell determination  
Crystal structure determination  
Crystal structure analysis  
Absolute configuration  
Report for Publication

Bruker D8 Venture  
Single Crystal X-ray Diffractometer

---

$$2d_{(hkl)} \sin \theta = n \lambda$$

Phase identification  
ICDD PDF2 Database  
Quantitative analysis  
Indexing  
Structure solution

Bruker D8 Advance with DaVinci  
Powder X-ray Diffractometer

---