

Laboraausstattung

Rigaku MiniFlex 600

Röntgendiffraktometer

X-Ray Generator/Röhre

- Toshiba A-26L-Cu (60kV; 1,5 kW)
- 20 – 40 kV (1 kV Schritte)
- 2 – 15 mA (1 mA Schritte)
- Mechanical rotary shutter
- K β -Filter: Ni-Filter; 0,015mm

Goniometer

- Vertical $\theta/2\theta$
- Radius: 150mm
- 2θ scanning range: -3° to $+145^\circ$
- 2θ measurement range: $+2^\circ$ to $+145^\circ$
- $\theta/2\theta$ axis minimum step angle: $0,005^\circ$ (2θ)
- Scanning speed: 0,01 to $100^\circ/\text{min}$
- Verschiedene, optionale Blenden

Detektor

- Rigaku D/teX Ultra2
- Scintillator: NaI (T1)
- Window: Be
- Effective window diameter: 23 mm

Zusatzausstattung

- Si-Low Background Sample Holder

Software

- 2DP
- 3D Explorer
- DataMapper
- GlobalFit
- NANO-Solver
- PDF Analysis
- PDXL
- QA-TeX
- SmartLab Studio

Datenbank

- COD - Crystallography Open Database