

Working procedure X-ray diffraction room 5118.-166.

All authorized users must receive instruction in and demonstrate an understanding of safety, checked and registered by Jacob Baas, and the operation of the diffractometer, checked with responsible person for the equipment before starting unsupervised work.

Only authorized and specially trained individuals are allowed to align the diffractometer and can make repairs or remedy malfunctions. (J. Baas and manufacturer technicians)

Flowchart for measurement

1. The sample container has a label with (expected) chemical composition and owner information.
2. Prepare the sample on the preparation bench.
3. Dispose:
  - a. Clean the mortars, and dispose all waste created making the sample.
  - b. Double sided tape into waste basket.
  - c. Metal pins from sample loops in black bin.
4. The measurement conditions and sample information and additional information has to be written down in the logbook.
5. Report malfunctions in the logbook.
6. In case other slits are necessary change at the end of the experiment back to the standard slit setup.
7. On Friday all samples and other items will be removed.