

Sample submission for VT XRD

To get sample run need:

About 0.5 g of sample labelled with complete formula (can do with slightly less if required, please ask)

VT XRD Request Form filled out with:

Completed COSHH form for sample prep

Indexed room temperature XRD pattern.

TGA of submitted sample, in correct atmosphere, to above max requested temperature

Chemical compatibility with Al_2O_3 sample holder at all requested temperatures. (If your sample damages holder you will be billed for a new one (approx £200))

Short outline of experiment including explanation of what you expect to see.

If any decomposition, what will products be.

Angle range for Mo radiation (or d spacing)

Listing of desired temperatures, ramp rates and dwell times.

Desired atmosphere

Air, Vacuum, N_2 at present, other gases by negotiation

Signature of Supervisor (or other Authorised person) to agree to cover costs.

Send forms to Paul Connor (pac5) or put in his pigeon hole.