

CSIR - CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE

KARAIKUDI – 630 003

Requisition for Rigaku XRD

1. Name of the User : Mr. / Ms. / Dr.
Designation & Dept./Division
2. Institution / Industry Name and :
Address
3. Email ID :
4. Phone No. / Mobile No. :
5. Purpose : UG/PG/M.Phil Project Work / Ph.D Work / Research
Others(mention)
6. Number of Samples :
7. Nature of Samples : Fine Powder / Thin Film / Liquid(only for scattering)
8. Details of the samples :
9. Scan Range (1 to 140 degree) : Step Size: Time per step:
10. Type of Scan : Normal Scan (5-10 Minutes) / Slow Scan (1/2 -1 Hour)
11. Type of Analysis : XRD pattern (powder/thin film)
Small angle X-ray scattering(SAXS)
High temperature In-situ measurement(TGA required)
Reflectivity(Thickness measurement)
12. Reference from literature, if available or earlier record, if any :
13. Type of Output : CD / E-mail / Hard copy
14. Format : xrdml / ascii / doc

Certified that the request is for academic / above mentioned purpose. Concessional charges may kindly be collected. Further certified that we will undertake guarantee for the payment of concessional charges.

Signature of the User

Signature of the Guide

Signature of the HoD / Principal

Date:

Seal

Note:

Powder Sample holder size 2x 20x1 mm (h*w*t)

Thin Film: Total dimensions including substrate should not be less than 5*5*1 mm (preferred 30*25*1 mm)

Small angle x-ray scattering for both liquid (2ml) and powder (0.5g)