

# Thin Film XRD Analysis Request Form

X-ray Diffraction Laboratory  
Department of Chemistry  
National University of Singapore

---

Services provided are purely for scientific purposes and cannot be used in any court of law

Name of Student: \_\_\_\_\_ Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Name of the Supervisor: Prof/Dr. \_\_\_\_\_ Signature: \_\_\_\_\_

Name of Department/Company: \_\_\_\_\_ Date: \_\_\_\_\_

WBS number (For Non Chemistry Department Samples): \_\_\_\_\_

---

## I) Sample information:

1. Sample ID: \_\_\_\_\_

2. Known/Suspect chemical properties:-

Explosive under shock/heat/pressure/contact with metals/others (specify) \_\_\_\_\_

Carcinogenic Toxic Corrosive Flammable Teratogenic Mutagenic Harmful if inhaled

Irritation to skin, eye, mucous membranes and/or upper respiratory tract

Others, specify \_\_\_\_\_

None of the above: \_\_\_\_\_

3. Sample Components:

1<sup>st</sup> layer compound: \_\_\_\_\_ Thickness: \_\_\_\_\_

2<sup>nd</sup> layer: compound: \_\_\_\_\_ Thickness: \_\_\_\_\_

Substrate: compound: \_\_\_\_\_

## II) Measurement Parameters:

1.  $\theta$  Angle : \_\_\_\_\_ °

2.  $2\theta$  ranges (minimum 2°): From \_\_\_\_\_ ° to \_\_\_\_\_ °

3. Step Size: \_\_\_\_\_ °

4. Time per Step: \_\_\_\_\_ s

---