



# X-Ray Analytical Service (XRD) Requisition Form Centre for Advanced Research in Sciences (CARS) University of Dhaka, Dhaka-1000, Bangladesh

E-mail: cars@du.ac.bd, Fax: +88-02-9667222; Form is available at <https://cars.du.ac.bd/services/forms>

X-ray equipment: RIGAKU Ultima IV X-ray Diffractometer

Name of Teacher/Person	:	Md. Mehedi Hassan
Department/Institute/Address	:	Applied chemistry and chemical engineering
Date of Requisition	:	2024-11-04
Laboratory	:	Basic Facilities and Sample Processing Laboratory
Service Name	:	XRD (Crystalline/Amorphous powder)
Sample ID	:	1. TiO <sub>2</sub> 2. TiO <sub>2</sub> (NP) 3. N-TiO <sub>2</sub> 4. B-TiO <sub>2</sub> 5. C-TiO <sub>2</sub> 6. P-TiO <sub>2</sub>
Number of Samples	:	6
Sample Type	:	Composite Material
Sample Composition	:	TiO <sub>2</sub> TiO <sub>2</sub> (NP) N-TiO <sub>2</sub> B-TiO <sub>2</sub> C-TiO <sub>2</sub> P-TiO <sub>2</sub>
Sample Nature	:	
If the sample Contains Moisture or Volatile Org. Solvent (VOS)	:	Not sure
Sample stability	:	Air and moisture stable
Sample amount / size	:	Not less than 500 mg
Scan range (2-theta $\theta$ )	:	10 degree -80 degree
Step/min	:	Standard (3 degree/minute)
Submit Date	:	2024-11-04
Category for Billing	:	Category A: DU Teachers and Students doing M.S./M.Phil/PhD under D.U
Cost	:	Tk. 6000
Student/Person	:	Md. Mehedi Hassan
Mobile No	:	01729905507
Email	:	mehedihasan083@gmail.com

- a. Please note that Pen-drive is not allowed to transfer data from XRD. A blank CD has to be provided with the requisition form if electronic files of the XRD data is requested.

Signature of teacher/person requesting the service: -----

I hereby declare that I do/do not receive any foreign/local funding for my research (strike off as applicable).

Signature of teacher requesting the service -----

Recommendation from concerned chairman/director

I hereby attest the above declaration and recommend that the above analysis be billed under category -----

Name and Signature of Chairman/ Director (with seal): -----

Department/Institute: -----

Date:

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**(For use by the CARS):**

Requisition book entry serial & date:  
Date (s) analyses performed:  
Total number of samples done:  
Analysis log book entry serial & date:

\_\_\_\_\_  
Chief Scientist/Principal Scientist/Senior Scientist/Scientist/Analyst

Calculation of Bill: -----

Bill number: ----- Date: -----

\_\_\_\_\_  
Principal Accounts Officer