



Indian Institute of Technology Bombay, Powai, Mumbai-400076

Department of Metallurgical Engineering & Materials Science

Registration form for using NanoIndenter facility(nanoindenter@iitb.ac.in)

External Registration No:

Date:

1) Name of the User :

2) Name of the Dept/Div/Sec :

3) Email and Tel No :

4) Number of samples (Maximum 4):

5) Specifications of sample : Material (s) :.....

.....

Size of sample ($\leq 1\text{cm}$) : Height of sample ($\leq 5\text{mm}$) :

Polishing :

6) For Nanoindentation: i) Maximum load..... ii) Location of Indents iii) Loading/Unloading rate.....

7) For Dynamic Mechanical Analysis:

I) For Dynamic Load Test: i) Frequency of test
ii) Range of load ($<12000\mu\text{N}$).....

II) For Dynamic Frequency Test : i)Applied load
ii) Range of frequency ($<300\text{ Hz}$)
Specify how many tests per sample for DMA

GIVEN MATERIAL IS NOT POISONOUS OR TOXIC IN ANY WAY

Whenever the results are used in the publications appropriate acknowledgment of usage of IIT's NanoIndenter facility must be mentioned. The details can be forwarded to nanoindenter@iitb.ac.in

Signature of the User :

Note : 1)The results of nanoindentation are very sensitive to surface preparation. The sample should be as flat as possible and polished to mirror finish. It is strongly recommended to finish polishing with :- Electro polishing for conducting samples ,Colloidal Silica polishing for non-conducting samples.2)The sample should not be epoxy mounted when you give it for nanoindentation.

Sample Received Date : Name of the Operator :
Period of Analysis: Results Sent Date:
Experiment completed date: Signature of Operator: