** NATIONAL UNIVERSITY OF SCIENCE & TECHNOLOGY (NUST)**

**Institute of Environmental Sciences & Engineering (IESE)**

**Advanced Analytical Lab**

**Request for Analysis on Particle Size Analyzer**

1. Email Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Reg. # (For Students only): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Contact No.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. University/Organization \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Analysis Information**

* **Our Particle Size analyzer**

**Can Do:** Analysis of suspended particles ranging from 0.1 µm – 600 µm

It gives mean of exact particle size in a solution

**Cannot Do:** Analysis of settleable particles

**Key points for sample preparation**

* Use of sieve to obtain the particle size of sample in the range of instrument
* Minimum sample size 250 ml.
* Use distilled water to prepare the sample

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| --- | --- |
| Signature of student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Signature of Supervisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Signature and Stamp |

**Approval from IESE**

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| Lab Incharge (**Dr. M. Ansar Farooq**)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Signature | Associate Dean (**Dr. Imran Hashmi**)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Signature |

Signature of Lab Engr/Demo: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Receipt-to be presented on the time of receiving results)

Samples Received on: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Results (Tentative Date): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Analysis Charges Received (for commercial testing): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_