

High-Pressure Volumetric Gas Sorption Analyzer request form for internal user

Instrument Name: High pressure BET analyser (Anton Paar) Model: - Isaorb-HP

Instructions:

1. **Sample Form:** Powder (~100 mg).
 2. **Degassing Temperature Range:** From Room Temperature to 300 °C. The analysis cannot be carried out if degassing and analysis conditions are not specified.
 3. **TGA data is required**
 4. **Prohibited Samples:** Explosive, poisonous samples, or those releasing toxic/obnoxious gases/fumes upon heating cannot be analysed.
 5. The user must ensure that samples will not melt or change during degassing.
 6. **Repeat Analysis:** A new form must be filled out for each repeat analysis, and the sample will be analysed as per the queue.
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Personal Information

1. **Name of the User:** _____
2. **Roll No:** _____
3. **User Email ID:** _____
4. **Mobile Number:** _____
5. **Department / Institution:** _____
6. **Name of Guide:** _____
7. **Guide Email ID:** _____
8. **Lab Intercom No:** _____

9. **Nature of Project (Select one):**
[1] PhD [2] Dual Degree [3] BTech [4] MTech [5] Consultancy
[6] Sponsored Project [7] Other: _____

10. **Number of Samples (Max. 1 at a time):** _____
11. **Sample Code:** _____
12. **Degassing Temperature.** _____
13. **Degassing duration (in hours):** _____
14. **Adsorbate Gas:** - CO₂ (maximum pressure should be 5 bar lower than liquification pressure at analysis temperature.) / H₂
15. **High pressure analysis value required (Maximum 50 Bar):** _____
14. **Additional Information (If any):** _____

Note: Final data will be shared in ASCII and PDF format to your email.