

化工系表面積及孔徑分析儀使用申請單

No. _____

申請使用時間： 年 月 日 時至 年 月 日 時

實驗條件：樣品名稱及數量：_____

(注意：樣品必需可接受150 °C加熱degas，若樣品怕熱則不接受量測。)

1. ☐ 比表面積(BET analysis)

2. ☐ 吸脫附曲線 (Adsorption / desorption curve)

自備零件及藥品：Sample cells

1. 願遵守精密儀器及常用設備管理辦法。 借用人：_____

2. 儀器如有損壞，願意負責修復。 指導教授：_____

3. 儀器負責老師意見： 簽名：_____

4. 技術員意見：(借用人此次申請應繳儀器維護金_____元
借用人本學年累計應繳儀器維護金_____元。)

5. 外系或外校申請者請系主任簽名：_____

化工系表面積及孔徑分析儀使用核准單

No. _____

核准使用時間： 年 月 日 時至 年 月 日 時

1. 請閱讀精密儀器及常用設備管理辦法。 借用人：_____

2. 使用前先在儀器保養維護記錄簿上登記。

3. 分析氣體由系採購再由使用者按登記使用時間比例分擔。

4. 樣品管 (sample holder) 使用損壞，由損壞者負責賠償。樣品使用前務必乾燥，以減少脫氣(degassing)時間，有機樣品易於分析中分解應避免使用。

5. 一般所需量測時間：BET表面積5小時；中孔徑分布8小時；微孔徑分布2-3天。

6. 費用：本系使用者：每次申請儀器使用一天，需繳儀器維修基金500元，一學期年繳滿10,000元者，則該學年內不需再行繳交。關於儀器維修基金之繳交，本系使用者得於次一學年開始之兩月內繳清，未繳清前，不得再借用該儀器。本系委測樣品每天1,100元，校內外系每天1,500元(超過一天加收500元/小時)，校外研究單位每件3,000元(超過一天加收650元/小時)，校外營利機構每件5,000元(超過一天加收800元/小時)。

7. 預約期間若超過24小時不使用，應通知技術員，以增加儀器使用效率並減免使用費。

*本儀器目前負責之技士為_____ (E2-100)

*本儀器目前負責之老師為_____ 胡哲嘉 (E2-610)

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Application form for Surface Area and Porosimetry Analyzer

No. _____

Intended period of experiment: (month/date/hr) : From: _____ to : _____

Sample material : _____ Number of samples : _____

[Note: Sample to be measure must resist 150°C for degas process. If your sample cannot withstand 150°C or above, application for measurement will be rejected.]

Check the data needed :

1. ☐ Surface specific surface area (BET analysis)

2. ☐ Adsorption / desorption curve

Essentials self-prepared by the user: Sample cells

1. I will follow all the regulations and instructions of the instrument. User's signature: _____
2. I am willing to take the repairing responsibility if the instrument is damaged.

Advisor's Signature: _____

3. Comments from the professor-in-charge: _____
Signature: _____
4. Comments from the instrument technician: (usage fee to be charged: _____ NT dollar.)
(Accumulated charged usage-fees of this academic year : _____ NT dollar.)
5. Signature of the chairman of the Chemical Engineering Department : _____
(Required for applicants from departments/institutions other than Chemical Engineering)

化工系表面積及孔徑分析儀使用核准單

Permission Notice for Surface Area and Porosimetry Analyzer

No. _____

Scheduled usage (Month/Date/Year): _____

Scheduled usage time: _____

User name: _____

1. Please carefully read the instrument manuals and the regulations before the usage.
2. Be sure to take a record of the usage in the register before operating the instrument.
3. Consumption goods, such as paper and pens, will be provided by the department with the fee shared by all the users and charged to each user based on the accumulated usages.
4. Rates for instrumentation usage:
 - (1) Ch.E., NTUST users: 500 NT dollars/day (Unqualified 1,100 NT dollars/day), Maximum charges for an academic year: 10,000 NT dollars. NO registration will be allowed if the charged fees of the previous year are not paid off within the first two months of the new academic year.
 - (2) Users from other NTUST departments: 1,500 NT dollars/day. (Over 500 NT dollars/ hr.)
5. Users from other research institutions: 3,000 NT dollars/day. (Over 650 NT dollars/ hr.)
6. Users from other institutions: 5,000 NT dollars/day. (Over 800 NT dollars/ hr.)

DO inform the technician within 24 hours of the scheduled time if you want to cancel the reservation. Otherwise you will still be charged.

Professor-in-charge for BET: 胡哲嘉 (E2-610)

Technician for BET: _____ (E2-100)