感應耦合電漿原子發射光譜儀(ICP-OES)使用申請單

No. _____

申請日期：　　年　　月　　日　　時

測試日期：　　年　　月　　日　　時 至　　年　　月　　日　　時

實驗條件：欲測元素：_____

(請勾選樣品是否含HF水溶液)

僅限於水溶液樣品，必須使用 0.22 um之濾頭過濾樣品。

樣品含HF水溶液，需使用耐HF配件(需自備)。

自備零件及藥品：氬氣(純度 4N5以上)、標準溶液(AA等級以上)、2% HNO3、5% HNO3、超純水。

1. **使用者對儀器之熟悉情形：**
   - ☐ **首次使用需Superuser協助或教學**
   - ☐ **非首次使用仍須Superuser協助或教學**
   - ☐ **Superuser考核**
   - ☐ **可獨立操作之使用者**
2. ☐ **借用人在借用期間若因操作不當造成儀器或其配件損壞，並影響後續使用者之借用權益。須負擔相關賠償責任(請詳細閱讀此段文字後，於前方方框勾選以示同意)**
3. **使用前先於「儀器保養維護記錄簿」登記，使用後務必確實清潔並將儀器及其配件歸位。初次違規者，將停止個人使用權一個月；如再犯，將視情節加重處分，停權期間可能為一學期、一年，甚至永久停止使用。違規情節嚴重者，亦可能連帶影響該驗室之使用權限**
4. **本系使用者需繳儀器維修基金：400元/小時（自行操作），840元/小時+330元/小時（委測/教學）。一學期年繳滿20000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。校內外系2000元/小時，校外2800元/小時，以上費用另加收330元/小時（委測/教學）。**
5. 於使用時間內如超過**24**小時不使用，應通知技術員，否則即取消該次使用權利，並縮短其往後登記使用該儀器之最長期限。
6. 嚴禁自行移動儀器之任何元件，由技術員或Superuser操作，違者將禁止借用該儀器。

*本儀器目前負責之Superuser為 吳伊丞 & 邱佑澤 (E2-717)

*本儀器目前負責之老師為 曾堯宣 (E2-811)

☐本人已詳閱並同意上述內容並願遵守精密儀器及常用設備管理辦法。

借用人簽名：_____

指導教授簽名：_____

儀器負責老師意見及簽名：_____

外系或外校申請者，請化工系主任簽名：_____

Registration form for Inductively coupled plasma optical emission spectrometry

No._____

Registration date (Month/Date/Year):_____

Registration time:_____

Elements to be analyzed：

Please check one below to indicate whether your sample contains HF solution:

☐ **Only Aqua solution, no organic solution, and solution must be filtered with 0.22um syringe filter**

☐ **Sample containing HF solution (accessories need prepared by yourself).**

Essentials self-prepared by the user:：2% HNO3、5% HNO3、Standard solution、Ultra-pure water.

1. **User's proficiency level regarding instrument use**:
   - ☐ First-time user requiring assistance or training from a Superuser;
   - ☐ Non-first-time user still requiring assistance or training from a Superuser;
   - ☐ Qualification;
   - ☐ User capable of operating the instrument independently;

2. ☐ If the borrower causes damage to the instrument or its accessories due to improper operation during the borrowing period, thereby affecting the borrowing rights of subsequent users, the borrower shall be solely responsible for any resulting compensation. (**NOTE: Please read the following text carefully and check the box above to indicate your agreement**)
3. Be sure to take a record of the usage in the register before operating the instrument. Be sure to thoroughly clean the equipment and return it and its accessories to their proper places after use. First-time offenders will have their individual usage privileges suspended for one month; repeat offenders will face more severe penalties depending on the circumstances, with suspensions ranging from one semester to one year, or even permanent suspension. Serious violations may also result in the revocation of the laboratory's usage privileges.
4. Users within this department are required to pay an instrument maintenance fund: NT$ 400/hr (self-operation), NT$ 840/hr plus NT$ 330/hr (commissioned testing/teaching). Users who pay NT$ 20,000 or more in a semester are exempt from further payments for that academic year. For other departments within NTUST: NT$ 2000/hr plus NT$ 330/hr (commissioned testing/teaching); for other institutions: NT$ 2800/hr plus NT$ 330/hour (commissioned testing/teaching).
5. If the instrument is not used for more than 24 hours within the designated usage time, the technician must be notified. Otherwise, the usage right will be cancelled, and the normal charges will apply, and the maximum registration period for future use of the instrument will be shortened.
6. It is strictly forbidden to move any component of the instrument yourself. Operation must be performed by the technician or superuser. Violators will be prohibited from using the instrument again.

*The current Superusers of this instrument are 吳伊丞 & 邱佑澤 (E2-717).

*The professor currently in charge of this instrument is Yao-Hsuan Tseng/曾堯宣 （E2-811）.

☐ I have read and agree to the above terms and undertake to comply with the Regulations on the Management of Precision Instruments and Common Equipment.

User's signature:_____

Advisor's Signature:_____

Signature and comment from Professor-in-charge of the instrument: _____

Signature of the chairman of the Chemical Engineering Department: _____

(Required for applicants from departments/institutions other than Chemical Engineering)