

熱分析儀使用申請表

Thermal Analyzer User Request Form

(104.12.15 修)

儀器操作者(Applicant's Name) _____ 學號(Student ID) _____

指導教授簽名(Supervisor) _____(sign) 研究室分機(Lab Extension No) _____

熱分析儀(Thermal Analyzer) : TGA DSC STA

STA 使用坩堝 : 白金坩堝 Platinum crucible 坩堝是否加蓋 : 是 否
氧化鋁坩堝 Aluminum oxide crucible Is the crucible with cap? ()Y ()N

環境氣體(Purging Gas) : Air N₂ 其它(Other) : _____

樣品組成及操作條件 : (請確定樣品不會產生 Si、Pb、鹵素、酸鹼等蒸氣)

Composition of samples and manipulation condition: (Please ensure that no vapors such as Si, Pb, halogen, acid or alkalic vapors will be formed during operation)

樣品編號 Sample Number	1	2	3	4	5
樣品組成 Composition					
到達溫度 Highest Temperature (°C)					
升溫速率 Heating Rate (°C/min)					

樣品 是否具有 毒性、腐蝕性、爆炸性

Is the sample toxic corrosive explosive?

	年/月/日/ YY/MM/DD	Morning 09:00~12:00	Noon 12:00~14:00	Afternoon 14:00~17:00	Evening 17:00~22:00	Night 22:00~8:00
①						
②						
③						

儀器助教簽名 : _____(sign)

(Teaching Assistant)

儀器管理員簽名 : _____(sign)

(Administrator)

使用規範(Terms of Use)

1. 使用 DSC 者，須出示樣品之 TGA 結果圖。Before using DSC, the user must show the material's TGA graph.
2. 使用熱分析儀時，如遇氮氣與液態氮已不足做一實驗，請停止實驗，以免儀器損壞。
When using the thermal analyzer, make sure that you have enough nitrogen and liquid nitrogen to conduct one experiment. If not, please stop the experiment immediately to avoid equipment damage.
3. **實驗前請先量測樣品重量，不可超重。**TGA(<20mg)；DSC(<10mg)；STA(10-15 mg)。
Please remember the sample must not go over the weight limit.
4. 實驗時如因樣品產生未預期之變化，或設定操作條件不當導致儀器損壞、污染，申請人實驗室須負責將儀器回復至正常狀況，並負擔儀器維修所需之費用。
If the equipment is damaged or polluted due to unexpected result of experiments or disoperation, the applicant(user) have to recover it back to the original condition, and pay the cost of repair.
5. 儀器用畢，請確實檢查妥當、清潔週遭環境後始可離開。
Before leaving, please make sure everything is checked, and the laboratory is cleaned.
6. 唯有操作資格合格者得操作儀器，如有違反，將依管理辦法處理。
Only the qualified users are permitted to use the equipment, violators will be prosecuted with the lab management regulations.