

紫 外 線 - 可 見 光 分 光 光 度 計

UV/VIS Spectrophotometer

Model : Cary-50 (Varian)

一、測試目的：

1. 化合物之結構鑑定。
2. 針對特定化合物，選擇適當的波長，進行定量分析。

二、樣品準備須知及注意事項：

1. 固體或液體樣品溶於適當的溶劑內測試。
2. 溶劑應使用光譜級試藥。
3. 測定紫外線區的吸收光譜，須使用石英槽 (quartz cell) 測試。
4. 石英槽應自行準備。

三、限制：

1. 固體、液體及氣體樣品均可分析。
2. 測試氣體樣品，應使用適合氣體樣品的石英槽測定。

四、使用方法：

1. 系內使用以登記申請，由專責技術員指導自行分析為原則。
2. 系外單位使用，須經登記申請，並經系主任及負責老師同意後，始可測試。

五、負責老師：曾文祺

UV/VIS Spectrophotometer

Model : Varian Cary-50

I. Purpose:

1. Structure identification of compound.
2. For a particular compound, select the appropriate wavelength for quantitative analysis.

II. Sample preparation instructions and precautions:

1. Samples have to be dissolved in the appropriate solvent.
2. Solvent of spectral grade reagents should be used.
3. Determination of UV range quartz cuvette has to be used.
4. Quartz cuvette should be provided by the user.

III. Restrictions:

1. Solid samples can be analyzed.
2. Gas samples can be analyzed in a special quartz cuvette.

IV. Application:

1. Registration for application in advance is required. Users are required to operate the instrument themselves.
2. For users outside the department application should be signed by the chairman of the Chemical Engineering Department and the professor-in-charge for the equipment.

V. Professor-In-Charge: Wen-Chi Tseng (曾文祺)