

X-Ray Crystallographic Laboratory Submission Form
Department of Chemistry, the University of Akron

Fill in the Following information

Research Advisor: _____ Telephone: _____

Email: _____

Chemist _____ Telephone: _____

Email: _____

Address if not UA Chemistry: _____

PO number: _____ Billing contact person: _____

Request:

Single Crystal Analysis Unit Cell Only CSD Check

Sample Name _____

Molecular Formula _____

Collection Temperature (°C): -100 (Usual) Room Temp Other _____

Container: Tube Vial Flask Other _____

List ALL solvents used in both Sample and Crystal preparations: _____

Stability: Stable At RT and Open container Air Sensitive Water Sensitive
 Keep Cold Light Sensitive Speed of Decomposition: _____ Hours

Special Instructions or Precautions: _____

Spectra Done:

¹H-NMR ¹³C-NMR IR MS

Confidence in the structure of your molecule:

High Low Unknown

You will receive multiple views of the thermal ellipsoid plot (ORTEP) in black ink ready for publication. Tables and pictures will be provided inside a *.Doc file and available in .txt file

In the following panel please provide a Labeled Molecular Drawing and Formula.
Please label all atoms and List all Solvents. 

Internal Use Only

Operator: _____

Date Received: _____ Date Run: _____

Report Completed On: _____ Billed On: _____

Applicable Codes: _____

Abandoned; Completed; Data only; Known; Publishable; Questionable;
Supercell; Twinned; Unpublishable;

Special Notes _____

Special Policies:

1) Files are sent via email unless otherwise requested. This includes crystallographic information file, required by most journals and a full report with diagrams.

2) Most submissions are completed within two weeks

3) All Samples will be disposed of after one month unless other arrangements are made

Acknowledgments: Users who publish papers including data from this instrument should include the

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Ohio Board of Regents for funds used to purchase the Bruker-Nonius Apex CCD X-ray diffractometer

used in this research.