VILLANOVA UNIVERSITY

Department of Chemistry – Small Molecule Laboratory
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Facility use only

Name: _____ email: _____

Phone: _____ Lab Location: _____

Group/PI/Company: _____

Sample/Notebook ID: _____ X-ray ID: _____

Reaction (please include all solvents and reagents):

Proposed Structure (optional: include numbering scheme)

draw and define all non-standard ligands and label chiral centers

Crystallization method (include **ALL** solvents used)

Sample Info:

Molecular Formula - no abbreviations please:

_____

Sample Stability (Check all that apply):

- ☐ air sensitivity
- ☐ hygroscopic
- ☐ pyrophoric
- ☐ glove box only
- ☐ light sensitive
- ☐ temp. sensitive
- ☐ explosive
- ☐ radioactive

Special instructions / warnings:

_____

_____

Sample characterized by:

- ☐ NMR ☐ IR ☐ UV/Vis ☐ EPR
- ☐ EA ☐ MS ☐ X-ray: _____

Sample disposition:

- ☐ Save and return diffracted crystal
- ☐ Save and return unused sample
- ☐ other: _____

Requested Services:

- ☐ Complete x-ray structure determination
- ☐ Unit Cell comparison: *a*_____ *b* _____ *c* _____ α_____ β_____ γ_____

  Found: *a*_____ *b* _____ *c* _____ α_____ β_____ γ_____
- ☐ Instrument time