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| **SAMPLES FOR SINGLE CRYSTAL X-RAY DIFFRACTION** | | | | | | | |
| **NAME :**  **Email:** |  | | LAB NO. |  | | PHONE NO. |  |
| DATE |  | | Sample Ref. No. | | |  |  |
| **User contribution:** | **Solution and refinement** |  | **Basic refinement** | |  | **Labeling & pictures** |  |
| **Project code** |  | | **Supervisor/grant holder signature** | | |  |  |
|  | **X-ray sample code:** | |  | | |  |  |

Please return completed forms to Dr. Georgina Rosair in G.07 Put your labeled sample in the analytical services fridge. The **BOLD** Sections below MUST be filled out please!

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **AVOID OIL/GREASE IN BULK SAMPLE?**  **(yes *only* if essential for keeping remaining sample clean for further analysis)** | | | | | | | | | | | | | | | | Y/N | | |
| **Empirical FORMULA** | | |  | | | | | | | | | | | | | | |
| **Has the structure of related compounds and /or starting materials been determined?** | | | | | | | |  | | | Filename(s) | | |  | | | |
| C:H:N Analysis | | Experimental | | | | : : | | | | | | Theoretical | | | : : | | |
| Other Analytical Techniques Used &  Information Gained (*e.g*. CO from infrared) | | | | | | | | | |  | | | | | | | |
| **Solvent(s) of crystallisation** | | | | | | | | | | | | | | | | |  |
| Is solvent present in crystal? (*e.g.* seen in an nmr spectrum of crystals from this batch). If yes what is it? | | | | | | |  | | | | | | | | | | |
| **Hazards associated with this sample** | | | |  | | | | | | | | | | | | | |
| IS THE SAMPLE STABLE? | In air? | | | | In light? | | | | At room temperature? | | | | Without mother liquor vapour? | | | | |
| **\*Please draw a diagram of the expected structure on the other side of this sheet** | | | | | | | | | | | | | | | | | |

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| Reasons why crystal structure analysis is required and chemical background (e.g. refs.) |
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| **PLANS FOR PUBLICATION:** |