**Analytical and Instrumentation Laboratory**

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| --- | --- |
| First and Last Name: | First and last Name |
| Date: Click or tap to enter a date. | Email: Email |
| Results Format: | [ ]  PDF | [ ]  Text |
| Research Director:  | Name of Research Director or Company |
| Sample ID # | Sample Id |

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| Special Instructions:  |
| Structure:  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NATURE OF COMPOUND:** | TOXIC[ ]  | EXPLOSIVE[ ]  | IRRITANT[ ]  | CARCINOGEN[ ]  | VOLATILE[ ]  |

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| **Spectroscopic Analysis** |
| FTIR [ ]  Solvent or KBr: Solvent or KBr Results: [ ] %T [ ] Abs |
| Polarimeter [α]D [ ]  Solvent: Solvent Sample Wt.: Weight mg. |
| UV-Vis [ ]  Solvent: Solvent | GC-MS [ ]  Solvent: Solvent |

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| **Elemental Analysis****Note:** Minimum sample size for CHNS or O is 5mg. This is the amount that can be easily removed from the vial, not how much is placed in the vial. Duplicate samples are performed provided there is sufficient sample. Oxygen analysis is not routine, please inquire. |
| **CHNS** [ ]  | **Oxygen** [ ]  | [ ]  **Air /** [ ] **Moisture Sensitive** |
| **%C = C%** | **%H = C%** | **%N = C%** | **%F =** %F |
| **%O = %O** | **%S = %O** | **%Other =** % other**(Specify Other)** |
| **Thermal Analysis** |
| DSC [ ]  Temp. Range: Temp Range Heating Rate: Heating rate ℃/min. |
| TGA [ ]  Gas: [ ] N2; [ ] Ar; [ ] AirTemp. Range: Temp Range Heating Rate: Heating rate ℃/min. |

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| Analysis by Appointment Only: CD, Fluorescence, and KF Water – Contact Lab Personnel to arrange |
| Circular Dichroism[ ]  | Conc.: mg/mlSolvent: solvent | MW: MW | # of AA Residues: # of AA |
| Fluorescence [ ]  | Solvent: solvent | Ex λ: λ | Em λ: λ |
| Karl Fischer Water [ ]  Estimated Water Content (%): % |  |