|  |  |
| --- | --- |
| Sample name: |  |
| Physical State: | Dust  Solid  Low MP Solid  Liquid |

|  |  |
| --- | --- |
| Requester(s): |  |
| Site: |  |

|  |  |
| --- | --- |
| Time Line requested: |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Sample from: | Lab trials | Sample is: | Light sensitive |
|  | Pilot Plant |  | Air sensitive |
|  | Initial Manufacture |  | Moisture sensitive |
|  | Routine Manufacture |  | Requires refrigeration |
|  | Other |  | Other |
| Disposal information (R/H phrases & UN number) | |  | |
| Sample Source:  (manufacture) |  | | |
| Plant Operations: |  | | |
| Background/  Purpose/Context:  (will be copied into report or summarized and copied) |  | | |
| Special Instructions to the Lab |  | | |

**This section for PHS Laboratory Use Only** Sample Receipt/Assessment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HT Reference Assigned |  | | COSHH Rating |  |
| Sample Reference Numbers |  | | | |
| Sample Description |  | | | |
| Handling Precautions | Goggles  Dust Mask  Males only   Armlets  Apron  Tornado | | | |
| Detonation/Deflagration Potential | Yes/ No/ Maybe | Oxidising Potential | | Yes/ No/ Maybe |
| Additional Comments |  | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Test Category | Test Name | Approx. Sample Quantity | |
| Powder | Liquid |
| Assessments | PRA Base Dataset | 1 kg | 1 L |
| Drying Assessment | 600 g | N/A |
| Dust Flammability & Explosibility | Particle Size Analysis by Laser Diffraction | 40 g | N/A |
| Minimum Ignition Temperature | 50 g | N/A |
| Vertical Tube | 100 g | N/A |
| Minimum Ignition Energy (Capacitive) | 300 g | N/A |
| 20L Sphere (Kst/Pmax , LEL , LOC) | 500 g | N/A |
| Thermal Stability | Ignition Tube | 1 g | 5 ml |
| DSC | 1 g | 1 ml |
| Diffusion Cell / Glass Bottom Cell | 100 / 100 g | N/A / 200 ml |
| Aerated Cell | 100 g | N/A |
| Carius Tube | 20 g | 100 ml |
| UN Basket Tests | 500 g | N/A |
| Full Basket Line | 5 - 15 kg | N/A |
| Hot Spot Ignition Test | 500 g | N/A |
| Combustibility | T5mm Layer Test | 300 g | N/A |
| Train Firing | 50 g | N/A |
| Explosibility | Koenen Tube | 300 g | 200 ml |
| Time/Pressure Test | 20 g | 200 ml |
| Lead Block | 50 g | 100 ml |
| Liquid Flammability | Flashpoint (Pensky-Marten, Small Scale ) | N/A / 50g | 500 / 50 ml |
| Auto Ignition Temperature | 1 g | 10 ml |
| Electrostatics | Electrical Resistivity | 50 g | 300 ml |
| Other  (contact PHS for estimate of sample quantities needed) |  |  |  |
|  |  |  |
|  | Total Sample Required |  |  |

**This section for PHS Laboratory Use Only**

|  |  |
| --- | --- |
| Generic Risk Assessment Applies |  |
| Specific Risk Assessment Required |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Approved By: |  | Date: |  |