**Drying Test Data Sheet**

Fill out as much information as possible, form can be sent without all blocks filled in.

Email file to Fluid Energy at: websales@fluidenergype.com

|  |  |
| --- | --- |
| Company Information | |
| Company Name  Street Address  City, State  Zip Code |  |
| CONTACT INFORMATION | |
| Name  Phone number  FAX number  E-mail address |  |

**TEST MATERIAL (FEEDSTOCK) INFORMATION**

|  |  |
| --- | --- |
| Material trade name |  |
| Material common name |  |
|  |  |
| Material end use |  |
| Food, drug, or cosmetic component?  component? |  |
| How is material currently produced? |  |
|  |  |
| Quantity to be tested |  |
| Value/lb |  |
|  |  |
| Special handling requirements |  |

**TEST MATERIAL (FEEDSTOCK) PROPERTIES**

|  |  |
| --- | --- |
| Mean particle size |  |
| Maximum particle size |  |
| Moisture Content (% Water) |  |
| Volatile Content (% Solvents) |  |
| Solvent (if present) |  |
|  |  |
| Material softens when heated? |  |
| Is sensitive to high temperatures? |  |
| Is flammable? |  |
| Is water soluble? |  |
|  |  |
| Is material hygroscopic? |  |
| Does material flow easily? |  |
| Can material be screw fed? |  |
|  |  |
| Is material explosive as feedstock? |  |
| Is material explosive as fine powder? |  |
| Explosivity properties (Kst, MIE, ST Class) |  |
|  |  |
| Lower Explosivity Limit (LEL) volatiles |  |
| Upper Explosivity Limit (UEL) volatiles |  |

**PRODUCT REQUIREMENTS**

|  |  |
| --- | --- |
| Average particle size |  |
| Maximum particle size |  |
|  |  |
| Required color (if critical) |  |
| Bulk density (lbs./cu. ft.) |  |
|  |  |
| Moisture content (%LOD) |  |
| Moisture content (%LOI) |  |
|  |  |
| Desired Production Rate (lbs/hr) |  |

*SAMPLING*

|  |  |
| --- | --- |
| Sample size |  |
| Sample frequency |  |

*PARTICLE SIZE ANALYSIS (PSA)\**

|  |  |
| --- | --- |
| Laser diffraction (manufacturer, model, watts) |  |
| Sieve (mesh sizes) |  |
| Microscopic |  |
| Other |  |

*MOISTURE ANALYSIS*

|  |  |
| --- | --- |
| Moisture LOD (%) |  |
| Moisture LOI (%) |  |
| Temperature (C) |  |
| Other measurement |  |

**Please type additional instructions below:**