

**Equipment Division**

4300 Bethlehem Pike • Telford, PA 18969

Phone: 215-721-8990 • Fax: 215-721-2355

[www.fluidenergype.com](http://www.fluidenergype.com)

**Instructions for filling out Drying Test Data Sheet – Word Fill-In Version**

The test data sheet may be filled out in one of two ways: (a) either by filling in the Microsoft Word fill-in form version, or (b) by filling the blank cells of the PDF version of the data sheet.

How to fill-in the Word version:

1. Highlight text in square brackets, [text in square brackets], and provide the information requested within the brackets.
2. Click: either the yes or no boxes and “X” will appear.
3. Cells with “---N/A---“ are not fillable.
4. Once the form is filled, use “save as” and give the file a new name. Print the new file, sign & date it, then return it to Fluid Energy.



**Equipment Division**

4300 Bethlehem Pike • Telford, PA 18969

Phone: 215-721-8990 • Fax: 215-721-2355

[www.fluidenergype.com](http://www.fluidenergype.com)

**Drying Test Data Sheet**

|  |  |
| --- | --- |
| Company Information | billing information |
| [Company name][Street][City, State, Zip Code] | [Street][City, State, Zip Code]ATTN: [Name]P.O. #[number] **(Invoices payable net 30 days)** |
| contact Information\* | product & test material information |
| [Name]Phone number: [Number & ext.]FAX: [Fax][E-mail address]\*Test report & processed sample will be shipped to the above at the company address, unless instructed otherwise. | [Street][City, State, Zip Code]ATTN\*: \*: [Name & phone number][Carrier: if this is a collect shipment]\*Individual in charge of shipping of test material (feedstock); receiving of product & untested feedstock |

**TEST MATERIAL INFORMATION**

|  |  |  |  |
| --- | --- | --- | --- |
| Will material be used as a: | Yes | No |  |
| Food component  | [ ]  | [ ]  | --N/A-- |
| Drug component  | [ ]  | [ ]  | --N/A-- |
| Cosmetics component  | [ ]  | [ ]  | --N/A-- |

|  |  |  |  |
| --- | --- | --- | --- |
| Material: | Yes | No |  |
| Softens when heated  | [ ]  | [ ]  | [Provide critical temperature] |
| Is sensitive to high temps.  | [ ]  | [ ]  | [Provide critical temperature] |
| Is flammable | [ ]  | [ ]  | [Provide critical temperature] |
| Is water-soluble | [ ]  | [ ]  | --N/A-- |
| Flows easily | [ ]  | [ ]  | --N/A-- |
| Can be used in a screw feed | [ ]  | [ ]  | --N/A-- |
| Is hygroscopic | [ ]  | [ ]  | --N/A-- |
| Requires safe handling | [ ]  | [ ]  | [If yes, provide details] |

**TEST MATERIAL PROPERTIES**

|  |  |
| --- | --- |
| Mean particle size | [Provide information] |
| Maximum particle size | [Provide information] |
| Moisture content % Water | [Provide information] |
| Moisture content % Solvent | [Provide information] |
| Solvent (if present) is: | [Provide information] |
| Material color | [Provide information] |
| LEL volatiles % vol. | [Provide information] |
| UEL volatiles % vol. | [Provide information] |
| Min. explosive concentration | [Provide information] |
| Max. explosive concentration | [Provide information] |
| Physical structure | [Provide information] |

**HMIS Rating: 4 = severe, 0 = minimal**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Health | [number] | Flammability | [number] | Reactivity | [number] | Personal protection | [number] |

**PRODUCT REQUIREMENTS**

|  |  |
| --- | --- |
| Average particle size | [information] |
| Maximum particle size | [information] |
| Required color (if critical) | [information] |
| Desired production rate (lbs./hr.) | [information] |
| Moisture content (% LOD\*) | [information] |
| Moisture content (% LOI\*\*) | [information] |
| Bulk density | [information] |

\* Loss on drying. \*\* Loss on ignition.

**SAMPLES:**

|  |  |  |  |
| --- | --- | --- | --- |
| Sample size | [information] | Sample frequency |      [information] |

**PARTICLE SIZE ANALYSIS (PSA)**

|  |  |  |  |
| --- | --- | --- | --- |
| Methods used (by company) | Yes | No |  |
| Laser diffraction  | [ ]  | [ ]  | [manufacturer, model, Watts & duration] |
| Sieve  | [ ]  | [ ]  | --N/A-- |
| Microscopic  | [ ]  | [ ]  | --N/A-- |
| Other | [ ]  | [ ]  | [If yes, provide information] |

**PSA REPORT (Fluid Energy supplied)**

|  |  |  |  |
| --- | --- | --- | --- |
| Requested Statistics: | Yes | No |  |
| Mean  | [ ]  | [ ]  | --N/A-- |
| Median | [ ]  | [ ]  | --N/A-- |
| %<d50 | [ ]  | [ ]  | --N/A-- |
| %<d90 | [ ]  | [ ]  | --N/A-- |
| %<d100 | [ ]  | [ ]  | --N/A-- |
| Other | [ ]  | [ ]  | [If yes, provide information] |

**MOISTURE ANALYSIS (Fluid Energy supplied)**

|  |  |  |  |
| --- | --- | --- | --- |
| Requested Information: | Yes | No |  |
| LOD  | [ ]  | [ ]  | --N/A-- |
| LOI | [ ]  | [ ]  | --N/A-- |
| Sample size  | [ ]  | [ ]  | [If yes, provide information] |
| Temperature (∘C) | [ ]  | [ ]  | --N/A-- |
| Other method required | [ ]  | [ ]  | [If yes, provide information] |

**Please type additional instructions below:**

[Type additional information here]