|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DOTLOGO2 | | | | | **Aggregate Moisture Worksheet**  **Pycnometer Jar Method** | | | | |
|  | | | | | | | | | |
|  | | | | | | | | | |
| Date: (mm/dd/yyyy) | |  | | |  | | | | |
|  | | | | | | | | | |
| Producer No.: | |  | | |  | | | | |
|  | | | | | | | | | |
| Producer Name: | |  | | |  | | | | |
|  | | | | | | | | | |
| Location: | |  | | |  | | | | |
|  | | | | | | | | | |
|  |  | | | | | Coarse  Aggregate |  | Fine  Aggregate |  |
|  |  | | | | |  |  |  |  |
| 1. | Aggregate Specific Gravity at Saturated Surface-Dry (SSD) | | | | |  |  |  |  |
|  | | | | | | | | | |
| 2. | Sample Size, g | | | | | 2000 |  | 1000 |  |
|  | | | | | | | | | |
| 3. | Sample Size ÷ Specific Gravity  Line 2 ÷ Line 1 | | | | |  |  |  |  |
|  | | | | | | | | | |
| 4. | Mass of pycnometer full of water, g | | | | |  |  |  |  |
|  | | | | | | | | | |
| 5. | Mass of pycnometer containing sample and water, g | | | | |  |  |  |  |
|  | | | | | | | | | |
| 6. | Mass of water displaced by sample, g  Line 2 + Line 4 - Line 5 | | | | |  |  |  |  |
|  | | | | | | | | | |
| 7. | Difference, g  Line 6 - Line 3 | | | | |  |  |  |  |
|  | | | | | | | | | |
| 8. | Sample Size minus water displaced, g  Line 2 - Line 6 | | | | |  |  |  |  |
|  | | | | | | | | | |
| 9. | Percent Surface Moisture, *P*, +/- %  Line 7 ÷ Line 8 × 100 | | | | |  |  |  |  |
|  | | | | | | | | | |
|  | | | | | | | | | |
| Coarse Aggregate Surface Moisture, | | | | *P* = | | | | | |
|  | | | | | | | | | |
| Fine Aggregate Surface Moisture, | | | | *P* = | | | | | |
|  | | | | | | | | | |
| Where: | | *P* | is the surface moisture, to the nearest 0.1 % | | | | | | |
|  | | *Vs* | is the mass of water displaced by the aggregate sample, to the nearest 1 g | | | | | | |
|  | | *Gs* | is the aggregate specific gravity at saturated surface-dry, to the nearest 0.01 | | | | | | |