|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DOTLOGO2 | | | | | | | **Calibration of Concrete**  **Test Equipment Slump** | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| Owner of Equipment: | | |  | | | | Manufactured By: | | | | |  | | | | | |
|  | | | | | | | | | | | | | | | | | |
| Model No.: | |  | | | Serial No.: |  | | | | | IDOT No.: | | | |  | | |
|  | | | | | | | | | | | | | | | | | |
| Inspection References: (check one) | | | | Illinois Modified AASHTO T 119 | | | | | | ASTM C 143 | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| Frequency: | | a. Every 12 months, or  b. When there is a question of calibration. | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
|  | | | | | | | CalibrationsA | | | | | | | | | | |
|  | | | | | | | # 1 | | | | # 2 | | | | | # 3 | |
| Record date of inspection. (mm/dd/yy) | | | | | | |  | | | |  | | | | |  | |
| Indicate date of next inspection. (mm/dd/yy) | | | | | | |  | | | |  | | | | |  | |
| Are interior and exterior clean? (Y/N) | | | | | | |  | | | |  | | | | |  | |
| Record top cone thickness. (0.060 in. (1.5 mm) minimum;  0.045 in. (1.15 mm) minimum if formed by the Spinning Process) | | | | | | |  |  | | |  | |  | | |  |  |
| Record bottom cone thickness. (0.060 in. (1.5 mm) minimum;  0.045 in. (1.15 mm) minimum if formed by the Spinning Process) | | | | | | |  |  | | |  | |  | | |  |  |
| Record **average** of four cone thickness measurements. | | | | | | |  | | | |  | | | | |  | |
| Record top diameter of cone. (4 ± 1/8 in. (102 ± 3.2 mm)) | | | | | | |  |  | | |  | |  | | |  |  |
| Record **average** top diameter of cone. | | | | | | |  | | | |  | | | | |  | |
| Record bottom diameter of cone. (8 ± 1/8 in. (203 ± 3.2 mm)) | | | | | | |  |  | | |  | | |  | |  |  |
| Record **average** bottom diameter of cone. | | | | | | |  | | | |  | | | | |  | |
| Record height of cone. (12 ± 1/8 in. (305 ± 3.2 mm)) | | | | | | |  | |  | |  | |  | | |  |  |
| Record **average** height of cone. | | | | | | |  | | | |  | | | | |  | |
| Are sides smooth and free of dents? (Y/N) | | | | | | |  | | | |  | | | | |  | |
| Are foot pieces and handles in good condition? (Y/N) | | | | | | |  | | | |  | | | | |  | |
| Do base plate clamps and swing handle move freely? (Y/N) | | | | | | |  | | | |  | | | | |  | |
| Is tamping rod tip hemispherical? (Y/N) | | | | | | |  | | | |  | | | | |  | |
| Record diameter of tamping rod and hemispherical tip.  5/8 ± 1/16 in. (16 ± 2 mm) | | | | | | |  | | | |  | | | | |  | |
| Record tamping rod length. (Refer to test method for acceptable length, but 16 in. (400 mm) to 24 in. (600 mm) is typically acceptable.) | | | | | | |  | | | |  | | | | |  | |
|  | | | | | | | | | | | | | | | | | |
| Name of Inspector/Comments: (For CBM\*: Supervisor shall initial each calibration following completion.) | | | | | | | | | | | | | | | | | |
| # 1 |  | | | | | | | | | | | | | | | | |
| # 2 |  | | | | | | | | | | | | | | | | |
| # 3 |  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| \*CBM: IDOT Central Bureau of Materials | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| A A “No” answer or measured value outside of indicated tolerances requires the equipment to be repaired or replaced. For any discrepancy, the applicable inspection reference(s) checked above shall have precedence over this calibration form. | | | | | | | | | | | | | | | | | |