Equipment ID: $\qquad$
Manufacturer: $\qquad$
Model \#: $\qquad$
Serial \#: $\qquad$
Storage Location: $\qquad$
Calibration Item: Verify critical dimensions and volume of proctor molds
Calibration Procedure: In-House Procedure for Verifying Proctor Molds
Calibration Equipment: Caliper readable to 0.001 in . ( 0.01 mm ) or better
Caliper ID:
Scale readable to 0.002 lb . ( 1 g ) or better
Scale ID:
Thermometer readable to $1^{\circ} \mathrm{F}\left(0.5^{\circ} \mathrm{C}\right)$ or better
Thermometer ID:
Straightedge
Straightedge ID:
Glass plate
Feeler gauge 0.005 in. ( 0.10 mm )
Vaseline or grease

| $\square 4$ inch (100 mm) | Tolerance |  | Pass / Fail |  |
| :--- | :--- | :---: | :--- | :--- |
| Inside diameter of mold |  | $4.000 \pm 0.016 \mathrm{in}$. <br> $(101.60 \pm 0.40 \mathrm{~mm})$ | $\square$ Pass | $\square$ Fail |
| Height of mold |  | $4.584 \pm 0.018 \mathrm{in}$. <br> $(116.40 \pm 0.50 \mathrm{~mm})$ | $\square$ Pass | $\square$ Fail |
| Height of collar |  | $2.375 \pm 0.050 \mathrm{in}$. <br> $(60.33 \pm 1.27 \mathrm{~mm})$ | $\square$ Pass | $\square$ Fail |
| Is the base plane? | $\square$ Yes $\square$ No | 0.005 inch <br> $(0.10 \mathrm{~mm})$ | $\square$ Pass | $\square$ Fail |



Table 3-Density of Water

| Temperature |  | $\mathrm{kg} / \mathrm{m}^{3}$ | $\mathrm{lb} / \mathrm{ft}^{3}$ |
| :---: | :---: | :---: | :---: |
| ${ }^{\circ} \mathrm{C}$ | ${ }^{\circ} \mathrm{F}$ |  |  |
| 15.6 | 60 | 999.01 | 62.366 |
| 18.3 | 65 | 998.54 | 62.336 |
| 21.1 | 70 | 997.97 | 62.301 |
| (23.0) | (73.4) | (997.54) | (62.274) |
| 23.9 | 75 | 997.32 | 62.261 |
| 26.7 | 80 | 996.59 | 62.216 |
| 29.4 | 85 | 995.83 | 62.166 |

Pass / Fail
Initial By $\qquad$

