Cube Mold and Tamper Calibration Worksheet

| Equipment ID: | | | | Date: | | | | |
|------------------------|------------|--|-----------------|------------------------|----------------|--------|--|--|
| Manufacturer: | | | P | erformed By: | | | | |
| Model #: | | | _ Las | st Calibration: | | | | |
| Se | rial #: | | – Next Ca | libration Due: | | | | |
| Storage Loc | ation: | | _ | | | | | |
| | | erify critical dimer mper | nsions,planenes | s and perpendicu | ılarity of mol | d and | | |
| Calibration Procedure: | | In-House Procedure for Verifying Cube Mold and Tamper | | | | | | |
| Calibration Equipment: | | Ruler or caliper readable to 0.001 in. (0.01 mm) or better | | | | | | |
| | | Device ID: | | | | | | |
| | S | raight Edge | | | _ | | | |
| | | Straight-edge ID: | | | | | | |
| | | | | | _ | | | |
| | 31 | quare | | | | | | |
| | | Square ID: | | | _ | | | |
| | F | eeler gauges | 0.02 in. (0.5 m | ım), 0.002 in. (0.0 |)5 mm) | | | |
| MOLD Are sides plane? | Cube 1 | Cube 2 | Cube 3 | Tolerance | Pass | / Fail | | |
| Face 1 | ☐ Yes ☐ No | ☐ Yes ☐ No | ☐ Yes ☐ No | | ☐ Pass | □ Fail | | |
| Face 2 | ☐ Yes ☐ No | ☐ Yes ☐ No | ☐ Yes ☐ No | less than | □ Pass | □ Fail | | |
| Face 3 | ☐ Yes ☐ No | ☐ Yes ☐ No | ☐ Yes ☐ No | 0.002 in. (0.05 mm) | ☐ Pass | ☐ Fail | | |
| Face 4 | ☐ Yes ☐ No | ☐ Yes ☐ No | ☐ Yes ☐ No | (0.00) | ☐ Pass | □ Fail | | |
| Distance betwee | n sides | _ | | | | | | |
| Top 1 | | | | | ☐ Pass | ☐ Fail | | |
| Top 2 | | | | 2 ± 0.02 in. | ☐ Pass | □ Fail | | |
| Bottom 1 | | | | (50 ± 0.5 mm) | ☐ Pass | □ Fail | | |
| Bottom 2 | | | | | ☐ Pass | □ Fail | | |
| Height of each c | ompartment | _ | | | | | | |
| Face 1 | | | | 1.985 - 2.010 | ☐ Pass | □ Fail | | |
| Face 2 | | | | in. | □ Pass | □ Fail | | |
| Face 3 | | | | (49.62 - 50.25 | ☐ Pass | ☐ Fail | | |
| Face 4 | | | | mm) | □ Pass | □ Fail | | |



| | Cu | be 1 | Cube 2 | Cube 3 | Tolerance | Pass | / Fail | | | | | |
|---|---------|--------------------------------------|------------------------------|--|---|---|--|--|--|--|--|--|
| Is the angle between sides 90° ± 0.5° ? | | | | | | | | | | | | |
| Side Angle 1 | ☐ Yes | s □ No | ☐ Yes ☐ No | ☐ Yes ☐ No | Max. | □ Pass | □ Fail | | | | | |
| Side Angle 2 | □ Yes | s □ No | ☐ Yes ☐ No | ☐ Yes ☐ No | deviation from square | ☐ Pass | □ Fail | | | | | |
| Side Angle 3 | □ Yes | s □ No | ☐ Yes ☐ No | ☐ Yes ☐ No | 0.02 in. | □ Pass | □ Fail | | | | | |
| Side Angle 4 | □ Yes | s □ No | ☐ Yes ☐ No | o □ Yes □ No | (0.5 mm) | ☐ Pass | □ Fail | | | | | |
| | | | | | | | | | | | | |
| Is the angle betw | veen th | e top plat | e and sides 9 | 0° ± 0.5° ? | | | | | | | | |
| Face 1 | ☐ Yes | s □ No | ☐ Yes ☐ No | o □ Yes □ No | Max. | ☐ Pass | □ Fail | | | | | |
| Face 2 | ☐ Yes | s □ No | ☐ Yes ☐ No | o □ Yes □ No | deviation from square | ☐ Pass | □ Fail | | | | | |
| Face 3 | ☐ Yes | s □ No | ☐ Yes ☐ No | ⊃ Yes □ No | 0.02 in. | ☐ Pass | □ Fail | | | | | |
| Face 4 | ☐ Yes | s □ No | ☐ Yes ☐ No | ☐ Yes ☐ No | (0.5 mm) | ☐ Pass | □ Fail | | | | | |
| | | | | | | | | | | | | |
| Is the angle between the bottom plate and sides 90° ± 0.5°? | | | | | | | | | | | | |
| Face 1 | ☐ Yes | s □ No | ☐ Yes ☐ No | ⊃ Yes □ No | Max. | ☐ Pass | □ Fail | | | | | |
| Face 2 | ☐ Yes | s □ No | ☐ Yes ☐ No | o □ Yes □ No | deviation from square | ☐ Pass | □ Fail | | | | | |
| Face 3 | ☐ Yes | s □ No | ☐ Yes ☐ No | ⊃ Yes □ No | 0.02 in. | ☐ Pass | □ Fail | | | | | |
| Face 4 | ☐ Yes | s □ No | ☐ Yes ☐ No | ⊃ Yes □ No | (0.5 mm) | □ Pass | □ Fail | | | | | |
| | | | | | | | | | | | | |
| TAMPER | | | | | | | | | | | | |
| TAWFER | | Measurement | | Specification | | Pass / Fail | | | | | | |
| | | | Jaionioni | Opecinica | 111011 | Pass / | Fail | | | | | |
| Width | | | Jaromont | 1 in. (25 | | □ Pass / | Fail □ Fail | | | | | |
| Width Thickness | | | Jaromont | | mm) | | | | | | | |
| | | | dicinent | 1 in. (25 | mm) 3 mm) | □ Pass | □ Fail | | | | | |
| Thickness | | | MIGHIER | 1 in. (25 1/2 in. (13 | mm) 3 mm) | □ Pass | □ Fail □ Fail | | | | | |
| Thickness | endicul | | | 1 in. (25 1/2 in. (13 | mm) 3 mm) | □ Pass | □ Fail □ Fail | | | | | |
| Thickness Length | endicul | | sides? | 1 in. (25 1/2 in. (13 5 – 6 in. (120 - | mm) 3 mm) - 150 mm) | □ Pass | □ Fail □ Fail | | | | | |
| Thickness Length Is the head perp | endicul | ar to the | sides? | 1 in. (25 1/2 in. (13 5 – 6 in. (120 – | mm) 3 mm) - 150 mm) e must be at | □ Pass □ Pass □ Pass | □ Fail □ Fail □ Fail | | | | | |
| Thickness Length Is the head perp Side 1 | endicul | ar to the □ Yes | sides? S □ No | 1 in. (25 1/2 in. (13 5 – 6 in. (120 – The tamping fac- right angles to the | mm) 3 mm) - 150 mm) e must be at he length of | ☐ Pass ☐ Pass ☐ Pass ☐ Pass | □ Fail □ Fail □ Fail | | | | | |
| Thickness Length Is the head perp Side 1 Side 2 | endicul | ar to the □ Yes □ Yes | sides? S □ No S □ No | 1 in. (25 1/2 in. (13 5 – 6 in. (120 – | mm) 3 mm) - 150 mm) e must be at he length of | ☐ Pass ☐ Pass ☐ Pass ☐ Pass ☐ Pass ☐ Pass | □ Fail □ Fail □ Fail □ Fail | | | | | |
| Thickness Length Is the head perp Side 1 Side 2 Side 3 | endicul | ar to the □ Yes □ Yes □ Yes | sides? S □ No S □ No S □ No | 1 in. (25 1/2 in. (13 5 – 6 in. (120 – The tamping fac- right angles to the | mm) 3 mm) - 150 mm) e must be at he length of | ☐ Pass | ☐ Fail ☐ Fail ☐ Fail ☐ Fail ☐ Fail ☐ Fail | | | | | |
| Thickness Length Is the head perp Side 1 Side 2 Side 3 | endicul | ar to the □ Yes □ Yes □ Yes | sides? S □ No S □ No S □ No | 1 in. (25 1/2 in. (13 5 – 6 in. (120 – The tamping fac- right angles to the | mm) 3 mm) - 150 mm) e must be at he length of | ☐ Pass | ☐ Fail ☐ Fail ☐ Fail ☐ Fail ☐ Fail ☐ Fail | | | | | |
| Thickness Length Is the head perp Side 1 Side 2 Side 3 Side 4 | endicul | ar to the □ Yes □ Yes □ Yes | sides? No No No No No No | 1 in. (25 1/2 in. (13 5 – 6 in. (120 – The tamping fac- right angles to the | mm) 3 mm) - 150 mm) e must be at he length of per | ☐ Pass | ☐ Fail ☐ Fail ☐ Fail ☐ Fail ☐ Fail ☐ Fail | | | | | |
| Thickness Length Is the head perp Side 1 Side 2 Side 3 Side 4 Is the head flat? | endicul | ar to the □ Yes □ Yes □ Yes | sides? No No No No No No | 1 in. (25 1/2 in. (13 5 – 6 in. (120 – The tamping fac- right angles to the the tam | mm) 3 mm) - 150 mm) e must be at he length of per | ☐ Pass | ☐ Fail | | | | | |
| Thickness Length Is the head perp Side 1 Side 2 Side 3 Side 4 Is the head flat? | endicul | ar to the □ Yes □ Yes □ Yes | sides? No No No No No No | 1 in. (25 1/2 in. (13 5 – 6 in. (120 – The tamping fac- right angles to the the tam | mm) 3 mm) - 150 mm) e must be at he length of per | ☐ Pass | ☐ Fail | | | | | |
| Thickness Length Is the head perp Side 1 Side 2 Side 3 Side 4 Is the head flat? | endicul | ar to the □ Yes □ Yes □ Yes | sides? No No No No No No | 1 in. (25 1/2 in. (13 5 – 6 in. (120 – The tamping fac- right angles to the the tam | mm) 3 mm) - 150 mm) e must be at he length of per | ☐ Pass | ☐ Fail | | | | | |
| Thickness Length Is the head perp Side 1 Side 2 Side 3 Side 4 Is the head flat? | endicul | ar to the □ Yes □ Yes □ Yes | sides? No No No No No No | 1 in. (25 1/2 in. (13 5 – 6 in. (120 – The tamping fac- right angles to the the tam | mm) 3 mm) - 150 mm) e must be at he length of per | ☐ Pass | ☐ Fail | | | | | |
| Thickness Length Is the head perp Side 1 Side 2 Side 3 Side 4 Is the head flat? | endicul | ar to the □ Yes □ Yes □ Yes | sides? No No No No No No | 1 in. (25 1/2 in. (13 5 – 6 in. (120 – The tamping fac- right angles to the the tam | mm) 3 mm) - 150 mm) e must be at he length of per | ☐ Pass | ☐ Fail | | | | | |

