## Gyratory Compactor Calibration Worksheet

Equipment ID:		Date:	
Manufacturer:		Performed By:	
Model #:		Last Calibration:	
Serial #:			
Storage Location:			
Calibration Item: Calibration Procedure: Calibration Equipment:	Verify internal angle, pre In-House Procedure for Internal Angle Device Proving Ring/Load Cell Timer Height Calibration Block Gyratory Mold Gyratory End Plate(s)	Verifying Gyratory Comp ID: ID: ID:	-

INTERNAL ANGLE

Calibrated Static Angle	Measurement	Specification	Pass / Fail	
Static Angle Reading 1			□ Pass	□ Fail
Static Angle Reading 2		± 0.01° of calibrated angle	□ Pass	□ Fail
Static Angle Reading 3			□ Pass	🗆 Fail

Top Internal Angle 1	а			
Top Internal Angle 2	b			
Bottom Internal Angle 1	с			
Bottom Internal Angle 2	d			
Effective Internal Angle		1.16 ± 0.02 °	□ Pass	□ Fail

 $Effective Internal Angle = \frac{Average Top + Average Bottom}{2}$ 

PRESSURE	Target	Measurement	Tolerance ± 3 %	Pass / Fail	
5000 N				□ Pass	□ Fail
10,500 N				□ Pass	□ Fail



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GYRATION SPEED	Measurement	Tolerance	Pass / Fail	
Number of Gyrations				
Time (seconds)				
Gyration Speed		30 ± 0.5 per minute	□ Pass	□ Fail

 $Gyration Speed = \frac{Number of Gyrations}{\frac{Time (seconds)}{60}}$ 

## HEIGHT

Target Measurement	Measurement	Tolerance	Pass / Fail	
		± 0.004 in. (± 0.1 mm)	□ Pass	□ Fail

Initial By

