

## Procedure Checklist AASHTO T 312

### Preparing and Determining the Density of Asphalt Mixture Specimens by Means of the Superpave Gyrotory Compactor

		P	F	N/A
<b>Sample Preparation</b>				
1.	Determine the mass needed to obtain a pill height of 115 mm ± 5 mm. AASHTO T 312, Section 8.1.1.			
2.	Place the mix 1 to 2 inches thick in shallow flat pan. Place in oven at compaction temperature for 2 hours ± 5 minutes. AASHTO R 30, Section 1.2.			
3.	Use a suitable thermometer having a range from 50° to 260° C to monitor mix temperature. AASHTO R 30, Section 5.2.			
4.	Place the mold and base plate in an oven at compaction temperature for a minimum of 30 minutes from the estimated beginning of compaction. AASHTO T 312, Section 8.1.6.			
5.	Remove the mold and base plate from the oven. Place a paper disk placed in bottom of the mold. AASHTO T 312, Section 9.1.			
6.	Place the mix in the mold in one lift. Level. Place a paper disk on the top of the sample. AASHTO T 312, Section 9.2.			
7.	Place the mold in the compactor. Line up properly. Press the start button. AASHTO T 312, Section 9.2.			
8.	Remove the mold from the compactor. Extrude the specimen. AASHTO T 312, Section 9.6.			
9.	Remove the paper disks. AASHTO T 312, Section 9.7 .Label the specimens. No reference.			
10.	Print the height per gyration. AASHTO T 312, Section 12.1.10.			

**Remarks:**

Date: \_\_\_\_\_ Technician: \_\_\_\_\_ IA Observer: \_\_\_\_\_

Technician's e-mail address: \_\_\_\_\_

Employer's / supervisor's e-mail address: \_\_\_\_\_