

MATERIALS AND RESEARCH
DELAWARE DEPARTMENT OF TRANSPORTATION
DOVER, DELAWARE (302) 760-2400

MAXIMUM SPECIFIC GRAVITY OF BITUMINOUS PAVEING MIXTURES (AASHTO T209)
PERFORMANCE CHECKLIST

	YES	NO	RECHECK DATE P/F
• Bowl calibrated?	_____	_____	_____
• Sample obtained by splitting or quartering?	_____	_____	_____
• Correct sample size?			
<u>Type of Mix</u>			
25.0 mm	2500	_____	_____
19.0 mm	2000	_____	_____
12.5 mm	1500	_____	_____
9.5 mm	1000	_____	_____
• Particles of sample and fine aggregate particles not larger than ¼ inch?	_____	_____	_____
• Sample at room temperature?	_____	_____	_____
• Placed in a tared bowl and weighed?	_____	_____	_____
• 77 ° F water added to cover sample?	_____	_____	_____
• Apply vacuum until manometer reads 27.75 mm ± 2.25 mm HG?	_____	_____	_____
• Entrapped air removed using partial vacuum for 15 min ± 2 min?	_____	_____	_____
• Container and contents agitated continuously mechanically or manually by vigorous shaking at intervals of about 2 min?	_____	_____	_____
• Bowl and contents suspended in 77° F ± 1.8° F water?	_____	_____	_____
• Net mass of contents in water determined after 10 minutes ± 1 minute immersion?	_____	_____	_____
• Proper formula used to calculate specific gravity of mixture?	_____	_____	_____

SUPERVISOR _____

TECHNICIAN _____

DATE _____