

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

**DETERMINING THE ASPHALT CONTENT OF HOT MIX ASPHALT BY THE IGNITION
METHOD (AASHTO T308)
PERFORMANCE CHECKLIST**

	YES	NO	RECHECK DATE P/F										
• Ignition oven preheated to 538° C?	_____	_____	_____										
• Correct Sample Size?													
<table border="0" style="display: inline-table; vertical-align: top;"> <tr> <td style="text-align: right; padding-right: 20px;"><u>Type of Mix</u></td> <td><u>Min. Sample Size (grams)</u></td> </tr> <tr> <td style="text-align: right;">25.0</td> <td>3000</td> </tr> <tr> <td style="text-align: right;">19.0</td> <td>2000</td> </tr> <tr> <td style="text-align: right;">12.5</td> <td>1500</td> </tr> <tr> <td style="text-align: right;">9.5</td> <td>1200</td> </tr> </table>	<u>Type of Mix</u>	<u>Min. Sample Size (grams)</u>	25.0	3000	19.0	2000	12.5	1500	9.5	1200	_____	_____	_____
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25.0	3000												
19.0	2000												
12.5	1500												
9.5	1200												
• Calibration factor entered for the mix?	_____	_____	_____										
• Basket placed in catch pan and weighed with guards in place?	_____	_____	_____										
• Sample evenly distributed in the basket, material kept way from edges and leveled?	_____	_____	_____										
• Total mass of sample, basket, catch pan, and basket guards recorded?	_____	_____	_____										
• Initial mass of specimen calculated?	_____	_____	_____										
• Initial mass entered into ignition oven?	_____	_____	_____										
• Basket placed in the furnace and chamber door closed?	_____	_____	_____										
• Furnace scale agrees within 5 grams of total mass?	_____	_____	_____										
• Pressing the start button locks the door and starts the blower?	_____	_____	_____										
• Test continued until change in mass does not exceed 0.1 percent for three consecutive minutes?	_____	_____	_____										
• Pressing the stop button unlocks the door and prints the test results?	_____	_____	_____										
• Basket removed and allowed to cool to room temperature?	_____	_____	_____										
• Contents emptied into a flat pan, including any residual fines?	_____	_____	_____										

YES NO RECHECK
DATE P/F

- Gradation analysis performed according to T-30? _____

SUPERVISOR _____ **TECHNICIAN** _____

DATE _____