

# AASHTO - PERFORMANCE EXAM CHECKLIST

Applicant: \_\_\_\_\_

Date: \_\_\_\_\_

## AASHTO T308-24 Asphalt Binder Content of Asphalt Mixtures by the Ignition Method

First test	Retest
Yes/No	Yes/No

### Test Method A – Internal Balance – Convention Furnace

<b>SEC: 6.4</b>	The size of the test specimen shall conform to the Table.	_____	_____
<b>SEC: 7.1.1</b>	Preheat the ignition furnace to 538±5°C (1000±9°F).	_____	_____
<b>SEC: 7.2</b>	Oven dry the specimen to a constant mass, or determine the moisture content of a companion specimen.	_____	_____
<b>SEC: 7.3</b>	Enter or record the asphalt binder correction factor.	_____	_____
<b>SEC: 7.4</b>	Record the mass of the basket assembly to the nearest 0.1 gram.	_____	_____
<b>SEC: 7.5</b>	Evenly distribute the specimen in the baskets, taking care to keep the material away from the edges of the basket. Level the specimen.	_____	_____
<b>SEC: 7.6</b>	Determine and record the total mass of the specimen and specimen basket assembly to the nearest 0.1 grams. Calculate the initial mass of the specimen.	_____	_____
<b>SEC: 7.7</b>	Input the initial mass of the specimen into the ignition furnace. Verify that the correct mass has been entered.	_____	_____
<b>SEC: 7.8</b>	Reset the internal balance to zero.	_____	_____
<b>SEC: 7.9</b>	Place the specimen basket assembly in the furnace, carefully positioning the assembly so it is not in contact with the furnace walls.	_____	_____
<b>SEC: 7.9</b>	Close the door and verify that the mass displayed equals the total mass recorded within ±5 grams.	_____	_____
<b>SEC: 7.10</b>	Initiate the test by pressing the start/stop button.	_____	_____
<b>SEC: 7.11</b>	Allow the test to complete by pressing the start/stop button. A stable indicator indicate the test is complete (the change in mass does not exceed 0.01 percent for three consecutive minutes). Press the start/stop button.	_____	_____
<b>SEC: 7.12</b>	Remove the specimen and allow it to cool to room temperature (approximately 30 minutes)	_____	_____
<b>SEC: 7.13</b>	Determine and record the total mass of the specimen and specimen basket assembly after ignition to the nearest 0.1 grams.	_____	_____

**SCORE:    PASS    FAIL    FAIL**

Examiner: \_\_\_\_\_

Proctor Initials: 

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