

# AASHTO - PERFORMANCE EXAM CHECKLIST

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

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

## AASHTO T30-24 Mechanical Analysis of Extracted Aggregate

	First test	Retest
	Yes/No	Yes/No
<b>SEC: 7.1</b> Dry the sample if necessary, and determine and record the mass to the nearest 0.1 grams.	_____	_____
<b>SEC: 7.2</b> Place the sample in a container and cover it with water. Add sufficient amount of wetting agent to ensure a thorough separation of the material finer than #200.	_____	_____
<b>SEC: 7.3</b> Agitate the sample vigorously in the container, bringing the #200 particles into suspension.	_____	_____
<b>SEC: 7.3</b> Immediately decant the suspension over the nest of two sieves (#8-16 on top and #200 on bottom). Use care to avoid the decantation of coarse particles. Repeat the operation until the wash water runs reasonably clear.	_____	_____
<b>SEC: 7.4</b> Following the washing, return all material retained on the nested sieves to the container. During this process, no water shall be decanted from the container except through the nest of sieves.	_____	_____
<b>SEC: 7.4</b> Dry the washed aggregate to constant mass. Determine and record the mass to the nearest 0.1 grams.	_____	_____
<b>SEC: 7.5</b> Place the aggregate in a nest of sieves, and agitate with a mechanical apparatus for a sufficient period. <b>(Note: have examinee perform A1 Time Evaluation in next steps)</b>	_____	_____
<b>SEC: A1.1.3</b> Hand-shake each sieve continuously for 60 seconds by striking the side of the sharply and with an upward motion against the heel of the other hand at the rate of about 150 times per minute, turning the sieve about one sixth of a revolution at intervals of about 25 seconds.	_____	_____
<b>SEC: A1.2</b> If more than 0.5% by mass of the total sample before sieving passes any sieve after one minute of continuous hand-sieving, adjust shaker time and recheck.	_____	_____
<b>SEC: 7.6/A2</b> Do not overload the sieves. Maximum allowed on a sieve according to the table.	_____	_____
<b>SEC: 7.7</b> Record the mass passing each sieve. The sum must be within 0.2% of the mass after washing.	_____	_____

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

**SCORE: PASS FAIL FAIL**  
 Proctor Initials: 

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