Performance Exam Checklist

**Test for High and Low Temperature Recovery of Elastomeric Joint Seals for Concrete Pavements**

*ASTM D 2628 AASHTO M220*

<table>
<thead>
<tr>
<th>Participant Name</th>
<th>Exam Date</th>
<th>Procedure Element</th>
<th>Yes</th>
<th>No</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>1. Sample is cut into 5-inch pieces?</td>
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<td>2. Specimens for high and low temperature recovery tests (2 each) lightly dusted with talc?</td>
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<td>3. Specimens deflected between parallel plates to 50% of the nominal width using a compression device clamp assembly?</td>
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**High temperature recovery:**

1. Clamp assembly containing the compressed specimens placed in an oven capable of maintaining 212 ± 2°F (100 ± 1°C) and kept there for 70 hours? | ☐ | ☐ |
2. Clamp assembly removed from the oven after 70 hours? | ☐ | ☐ |
3. Unclamped the assembly and carefully removed the specimens? | ☐ | ☐ |
4. Specimens allowed to rest on a wooden surface at room temperature for 1 hour? | ☐ | ☐ |
5. Recovered width of the specimens measured in the center of the 5-inch length at the top of the longitudinal edge using a dial caliper or other measuring device? | ☐ | ☐ |
6. Data entered into the computer data base where % Recovery is automatically calculated? | ☐ | ☐ |

**Low temperature recovery:**

1. Clamp assembly containing the compressed specimens placed in a refrigerated chamber capable of maintaining -20 ± 2°F (-29 ± 1°C) and kept there for 22 hours? | ☐ | ☐ |
2. Clamp assembly removed from the chamber after 22 hours? | ☐ | ☐ |
3. Unclamped the assembly and carefully removed the specimens? | ☐ | ☐ |
4. Specimens transferred to a wooden surface in the chamber and allowed to recover for 1 hour? | ☐ | ☐ |
5. Specimens removed from the chamber and measured the recovered width in the center of the 5-inch length at the top of the longitudinal edge using a dial caliper or other measuring device? | ☐ | ☐ |
6. Data entered into the computer data base where % Recovery is automatically calculated? | ☐ | ☐ |

**Recovery, % = recovered width × 100/nominal width**

First attempt: Pass ☐ Fail ☐  Second attempt: Pass ☐ Fail ☐

Signature of Examiner ____________________________
Comments: