



# JOB SAFETY ANALYSIS

<b>Activity Name:</b> Residue By Distillation		<b>Activity Number:</b> T59	
<b>Activity Description &amp; Purpose:</b> This test method covers the quantitative determination of residue and oil distillate in asphalt emulsions composed principally of a semisolid or liquid asphaltic base, water, and an emulsifying agent.			
<b>Date Prepared:</b> 6/22/2009		<b>PPE Required</b>	
<b>Typical Equipment</b>		<b>Typical Crew Size:</b>  (Crew sizes may vary due to different conditions throughout the state).  1	<b>Typical Material</b>
Description	Class Code		
See associated test procedure			Asphalt Emulsion
		<b>Safety glasses/Hardtoe boots/Heat resistant gloves/Heat resistant apron</b>	
<b>Sequence of Job Tasks</b>	<b>Potential Hazards</b>	<b>Safe Job Procedures</b>	<b>Never</b>
1. Assemble distillation pot with thermometers, and get weight.			
2. Pour in 200 grams of emulsion into distillation pot, and record new weight.	Burns, Particles in eyes	Wear all personal protective equipment.	Handle hot binder without gloves or can clamps.
3. Start burners, and start timer.	Burns	Wear all personal protective equipment.	Handle hot binder without gloves or can clamps.
4. Take a thermometer reading every 5 minutes until bottom thermometer reads 490 degrees.	Burns	Wear all personal protective equipment.	Handle hot binder without gloves or can clamps.
5. When bottom thermometer gets to 490 drop the ring burner to the bottom of the still, and start the 15 holding period.	Burns	Wear all personal protective equipment.	Handle hot binder without gloves or can clamps.
6. Immediately after distillation is complete weigh the still and thermometers, and record final weight.	Burns, Particles in eyes	Wear all personal protective equipment. Awareness of hot binder splash back.	Handle hot binder without gloves or can clamps.
7. Pour distillation residue into molds as needed.	Burns, Particles in eyes	Wear all personal protective equipment. Awareness of hot binder splash back.	Handle hot binder without gloves or can clamps.





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		<b>Never</b>	

