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## View Sample Round Result Confirmation

### AMRL Proficiency Sample Program Hot Mix Asphalt Ignition Oven 29/30

University of Arkansas  
Fayetteville, Arkansas  
PSP Enrollment#: 3879

Created by sgwill@uark.edu on 12/18/2014

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#### Testing Parameters

##### 1. Asphalt Content by Ignition Method

Initial (as received) Mass of AMRL Pre-Mixed HMA Sample (for information only)

<b>Sample 29</b> 1604.0	<b>Sample 30</b> 1603.6
Version: T308-2010	Version: T308-2010
Oven Manufacturer: NCAT - Barnstead-Thermolyne F85930	Oven Manufacturer: NCAT - Barnstead-Thermolyne F85930
Oven Model: Set Point Temperature for Convection-Type Ignition Ovens (°C): 538	Oven Model: Set Point Temperature for Convection-Type Ignition Ovens (°C): 538
Burn Profile Used for Direct n/a	Burn Profile Used for Direct n/a
IR Irradiation-Type Ovens:	IR Irradiation-Type Ovens:
Length of Time for Ignition 49	Length of Time for Ignition 49
Process (in min) - 27 A:	Process (in min) - 27 A:
Length of Time for Ignition 57	Length of Time for Ignition 57
Process (in min) - 28 B:	Process (in min) - 28 B:

##### 2. Asphalt Content by Ignition Method

Correction Factor for Asphalt Binder Content (for information only)

<b>Sample 29</b> 0.03	<b>Sample 30</b> 0.03
Version: T308-2010	Version: T308-2010
Oven Manufacturer: NCAT - Barnstead-Thermolyne F85930	Oven Manufacturer: NCAT - Barnstead-Thermolyne F85930
Oven Model: Set Point Temperature for Convection-Type Ignition Ovens (°C): 538	Oven Model: Set Point Temperature for Convection-Type Ignition Ovens (°C): 538
Burn Profile Used for Direct n/a	Burn Profile Used for Direct n/a
IR Irradiation-Type Ovens:	IR Irradiation-Type Ovens:
Length of Time for Ignition 49	Length of Time for Ignition 49
Process (in min) - 27 A:	Process (in min) - 27 A:
Length of Time for Ignition 57	Length of Time for Ignition 57
Process (in min) - 28 B:	Process (in min) - 28 B:

##### 3. Asphalt Content by Ignition Method

Corrected Asphalt Binder Content

<b>Sample 29</b> 4.74	<b>Sample 30</b> 6.17
Version: T308-2010	Version: T308-2010
Oven Manufacturer: NCAT - Barnstead-Thermolyne F85930	Oven Manufacturer: NCAT - Barnstead-Thermolyne F85930
Oven Model: Set Point Temperature for Convection-Type Ignition Ovens (°C): 538	Oven Model: Set Point Temperature for Convection-Type Ignition Ovens (°C): 538
Burn Profile Used for Direct n/a	Burn Profile Used for Direct n/a
IR Irradiation-Type Ovens:	IR Irradiation-Type Ovens:
Length of Time for Ignition 49	Length of Time for Ignition 49
Process (in min) - 27 A:	Process (in min) - 27 A:
Length of Time for Ignition 57	Length of Time for Ignition 57
Process (in min) - 28 B:	Process (in min) - 28 B:

##### 4. Mechanical Analysis of HMA

Mass Removed by Washing Over the 75-µm (No. 200) Sieve

<b>Sample 29</b> 28.6	<b>Sample 30</b> 51.6
Version: T30-2014	Version: T30-2014
Washing Procedure: Manual	Washing Procedure: Manual
Time for Wash:	Time for Wash:

##### 5. Mechanical Analysis of HMA

Total Material Passing the 12.5-mm (1/2 in.) Sieve

<b>Sample 29</b>	<b>Sample 30</b>
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90.7

94.5

Version: T30-2014

Version: T30-2014

Washing Procedure: Manual  
Time for Wash:Washing Procedure: Manual  
Time for Wash:**6. Mechanical Analysis of HMA**

Total Material Passing the 9.5-mm (3/8 in.) Sieve

**Sample 29**  
79.0**Sample 30**  
86.9

Version: T30-2014

Version: T30-2014

Washing Procedure: Manual  
Time for Wash:Washing Procedure: Manual  
Time for Wash:**7. Mechanical Analysis of HMA**

Total Material Passing the 4.75-mm (No. 4) Sieve

**Sample 29**  
57.8**Sample 30**  
75.7

Version: T30-2014

Version: T30-2014

Washing Procedure: Manual  
Time for Wash:Washing Procedure: Manual  
Time for Wash:**8. Mechanical Analysis of HMA**

Total Material Passing the 2.36-mm (No. 8) Sieve

**Sample 29**  
39.7**Sample 30**  
62.0

Version: T30-2014

Version: T30-2014

Washing Procedure: Manual  
Time for Wash:Washing Procedure: Manual  
Time for Wash:**9. Mechanical Analysis of HMA**

Total Material Passing the 1.18-mm (No. 16) Sieve

**Sample 29**  
31.7**Sample 30**  
48.9

Version: T30-2014

Version: T30-2014

Washing Procedure: Manual  
Time for Wash:Washing Procedure: Manual  
Time for Wash:**10. Mechanical Analysis of HMA**

Total Material Passing the 600-µm (No. 30) Sieve

**Sample 29**  
20.0**Sample 30**  
29.9

Version: T30-2014

Version: T30-2014

Washing Procedure: Manual  
Time for Wash:Washing Procedure: Manual  
Time for Wash:**11. Mechanical Analysis of HMA**

Total Material Passing the 300-µm (No. 50) Sieve

**Sample 29**  
10.3**Sample 30**  
14.9

Version: T30-2014

Version: T30-2014

Washing Procedure: Manual  
Time for Wash:Washing Procedure: Manual  
Time for Wash:**12. Mechanical Analysis of HMA**

Total Material Passing the 150-µm (No. 100) Sieve

**Sample 29**  
4.9**Sample 30**  
7.0

Version: T30-2014

Version: T30-2014

Washing Procedure: Manual  
Time for Wash:Washing Procedure: Manual  
Time for Wash:**13. Mechanical Analysis of HMA**

Total Material Passing the 75-µm (No. 200) Sieve

**Sample 29**  
3.03**Sample 30**  
4.19

Version: T30-2014

Version: T30-2014

Washing Procedure: Manual  
Time for Wash:Washing Procedure: Manual  
Time for Wash:

Laboratory Comments:

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