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AMRL Proficiency Sample Program

Fine Aggregate 191/192

University of Arkansas
Fayetteville, Arkansas
PSP Enrollment#: 3879
Created by sgwill@uark.edu on 2/8/2016

Your results have been received. Thank you for using our online submission system. Please print the following information for your records.

Testing Parameters

1. Material Finer Than 75-µm (No. 200) Sieve

Total Oven Dry Mass of Specimen Before Washing

Sample 191		Sample 192	
509.9		509.8	
Version:	T11-2005	*Version:*	T11-2005
Washing Procedure:	*Manual*	*Washing Procedure:*	*Manual*
Time for Wash:		*Time for Wash:*	

2. Material Finer Than 75-µm (No. 200) Sieve

Percentage Finer than the 75-µm sieve by washing

Sample 191		Sample 192	
1.12		1.12	
Version:	T11-2005	*Version:*	T11-2005
Washing Procedure:	*Manual*	*Washing Procedure:*	*Manual*
Time for Wash:		*Time for Wash:*	

3. Sieve Analysis of Aggregates

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

Sample 191		Sample 192	
100.0		100.0	
Version:	T27-2014	*Version:*	T27-2014

4. Sieve Analysis of Aggregates

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

Sample 191		Sample 192	
85.7		86.2	
Version:	T27-2014	*Version:*	T27-2014

5. Sieve Analysis of Aggregates

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

Sample 191		Sample 192	
69.4		68.3	
Version:	T27-2014	*Version:*	T27-2014

6. Sieve Analysis of Aggregates

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

Sample 191		Sample 192	
47.5		46.3	
Version:	T27-2014	*Version:*	T27-2014

7. Sieve Analysis of Aggregates

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

Sample 191		Sample 192	
19.5		19.2	
Version:	T27-2014	*Version:*	T27-2014

8. Sieve Analysis of Aggregates

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

Sample 191		Sample 192	
4.7		4.8	
Version:	T27-2014	*Version:*	T27-2014

9. Sieve Analysis of Aggregates

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

Sample 191	Sample 192
1.16	1.16

Version:	T27-2014	*Version:*	T27-2014

10. Fine Aggregate Specific Gravity and Absorption
Bulk Specific Gravity [or Relative Density, Oven Dry for C128]

Sample 191		**Sample 192**	
2.611		2.606	
Version:	T84-2013	*Version:*	T84-2013
Procedure Used:	*Gravimetric (Pycnometer)*	*Procedure Used:*	*Gravimetric (Pycnometer)*

11. Fine Aggregate Specific Gravity and Absorption
Bulk Specific Gravity, SSD [or Relative Density, SSD for C128]

Sample 191		**Sample 192**	
2.626		2.622	
Version:	T84-2013	*Version:*	T84-2013
Procedure Used:	*Gravimetric (Pycnometer)*	*Procedure Used:*	*Gravimetric (Pycnometer)*

12. Fine Aggregate Specific Gravity and Absorption
Apparent Specific Gravity [or Apparent Relative Density for C128]

Sample 191		**Sample 192**	
2.649		2.648	
Version:	T84-2013	*Version:*	T84-2013
Procedure Used:	*Gravimetric (Pycnometer)*	*Procedure Used:*	*Gravimetric (Pycnometer)*

13. Fine Aggregate Specific Gravity and Absorption
Absorption

Sample 191		**Sample 192**	
0.54		0.60	
Version:	T84-2013	*Version:*	T84-2013
Procedure Used:	*Gravimetric (Pycnometer)*	*Procedure Used:*	*Gravimetric (Pycnometer)*

14. Micro-Deval Abrasion
Micro-Deval Abrasion Loss (nearest 0.1%)

Sample 191	**Sample 192**
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15. Sand Equivalent Test
Sand Equivalent Value (whole number)

Sample 191	**Sample 192**
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16. Sulfate Soundness of Aggregates
Material Finer Than the 1.18-mm Sieve, Na

Sample 191	**Sample 192**
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17. Sulfate Soundness of Aggregates
Material Finer Than the 600-µm Sieve, Na

Sample 191	**Sample 192**
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18. Sulfate Soundness of Aggregates
Material Finer Than the 300-µm Sieve, Na

Sample 191	**Sample 192**
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19. Sulfate Soundness of Aggregates
Material Finer Than the 1.18-mm Sieve, Mg

Sample 191	**Sample 192**
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20. Sulfate Soundness of Aggregates
Material Finer Than the 600-µm Sieve, Mg

Sample 191	**Sample 192**
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21. Sulfate Soundness of Aggregates
Material Finer Than the 300-µm Sieve, Mg

Sample 191	Sample 192
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22. Uncompacted Void Content of Fine Aggregate
Uncompacted Voids, Test Run # 1

Sample 191		Sample 192	
44.82		44.75	
Version:	T304-2011	*Version:*	T304-2011

23. Uncompacted Void Content of Fine Aggregate
Uncompacted Voids, Test Run # 2

Sample 191		Sample 192	
44.78		44.71	
Version:	T304-2011	*Version:*	T304-2011

24. Uncompacted Void Content of Fine Aggregate
Uncompacted Voids, Average of Two Runs

Sample 191		Sample 192	
44.80		44.73	
Version:	T304-2011	*Version:*	T304-2011

Laboratory Comments:

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