__Date: ____



Performance Examination - Aggregate

Standard Test Method for Organic Impurities in Fine Aggregates for Concrete (ASTM C40 / C40M-16) [AASHTO T 21M / T 21-15]

Indidate Name: NICE I ID:		
Apparatus	Trial 1	Trial 2
Clear (colorless) glass or plastic graduated Outside thickness between 38.1 to 63.5 mm (1.5 to 2.5 in.) Approximately 240 to 470-ml (8 to 16-oz) nominal capacity Graduation lines in milliliters or ounces Lines at 2 ½ oz only necessary when using the standard color solution Stoppers or caps which are not soluble in specified reagents Note: If the bottle is unmarked, lines may be scribed onto the bottle and are required only at the 75, 130 & 200-ml (2 ½, 4 ½, & 7-oz) levels. NaOH Solution Three parts reagent grade NaOH (sodium hydroxide) to 97 parts water by weight Standard Color Solution Reagent grade Potassium Dichromate (K2Cr2O7) dissolved in concentrated sulfuric acid at		
the rate of 0.250 g/100ml of acid. The solution is freshly made (less than 2 hours old). Glass Color Standard (one of the following) Glass color plate with Organic Color Nos. 1-5 (Equal to Organic Color No. 3) Gardener Color Nos. 5, 8, 11, 14, & 16		
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Procedures	Trial 1	Trial 2
1. The sample obtained by Method C702		
2. Sample mass about 450 g (1 lb.)		
3. Sand added to the 130-ml (approximately four $\frac{1}{2}$ -ozs) level in the bottle		
 NaOH solution added until the volume of fine aggregate and liquid after shaking is 200-ml (approximately 7 oz) level 		
5. Bottle stoppered and shaken vigorously		
6. Allowed to stand for 24 hours		
7. Color comparison made against color standards		
First Attempt: Pass: Fail: Second Attempt: Pass: Fail: Exam Administration: Remote In-Person		
Comments:		

Examiner Name: _____ Examiner Signature: _____