

Procedure Checklist AASHTO T-21 Organic Impurities in Fine Aggregate for Concrete

		P	F	N/A
Procedure				
1.	Verify that a clear glass bottle and graduations at 4.5 and 7 oz. (130 ml and 200 ml).			
2.	Bottle has a volume between 8 to 16 oz. (350 to 475 ml), with a stopper,			
3.	Gradations at 4.5 and 7 oz (130 and 200ml)			
4.	Verify that reagent is a solution of Sodium Hydroxide (3 parts NaOH and 97 parts water).			
5.	Obtain an air-dried sample weighing 1 lb. (450 gm) using T-248 procedures.			
6.	Add 4.5 oz. (130 ml) of sand to the bottle.			
7.	NaOH is added to the 7 oz. (200 ml) level on the bottle.			
8.	Stopper is placed securely on the bottle.			
9.	Bottle is shaken vigorously.			
10.	Volume checked and NaOH added if needed to maintain 7 oz. (200 ml) and reshaken.			
11.	Bottle allowed to stand for 24 hours.			
12.	Color comparison made against five-glass standard color device.			
13.	The plate number nearest to the color of the liquid is recorded.			

Remarks: _____ **Comparison Criteria:** N/A

Date: _____ Technician _____ IA Observer: _____

Technician's E-mail Address: _____

Employer's/ Supervisor's E-mail Address: _____