

FINE AGGREGATE SPECIFIC GRAVITY WORKSHEET

North Dakota Department of Transportation, Materials and Research

SFN 2199 (11-2016)

Pit Location	Laboratory Number
Owner	Project Number
Sampled From	PCN
Submitted By	Date Received

Weight of oven dry sample.		grams (A)
Weight of saturated surface dry sample in air.	500.0	grams
Weight of flask, cover plate, and water to top of flask.		grams (B)
Weight of flask, cover plate, sample, and water to top of flask.		grams (C)

Bulk Specific Gravity	$\frac{A}{B + 500 - C} = \frac{\quad + \quad 500 \quad - \quad}{\quad} = \quad =$		
Apparent Specific Gravity	$\frac{A}{B + A - C} = \frac{\quad + \quad - \quad}{\quad} = \quad =$		
Absorption	$\frac{500 - A}{A} \times 100 = \frac{500 - \quad}{\quad} \times 100 = \quad \times 100 = \quad \%$		

Concrete Aggregate

Bulk Specific Gravity (saturated surface dry).	$\frac{500}{B + 500 - C} = \frac{500}{\quad + \quad 500 \quad - \quad} = \quad =$		
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ND T-84 Tested By:

Lab Supervisor Signature	Date
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