

FINE AGGREGATE SPECIFIC GRAVITY WORKSHEET

North Dakota Department of Transportation, Materials and Research

SFN 2199 (7-2017)

Pit Location		Laboratory Number	
Owner		Project Number	
Sampled From		PCN	
Type of Material	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	$\frac{A}{B + 500 - C} = \frac{\quad}{+ \quad 500 \quad -} = \frac{\quad}{\quad} = \quad$		
Apparent Specific Gravity	$\frac{A}{B + A - C} = \frac{\quad}{+ \quad -} = \frac{\quad}{\quad} = \quad$		
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).	$\frac{500}{B + 500 - C} = \frac{500}{+ \quad 500 \quad -} = \frac{\quad}{\quad} = \quad$		
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ND T-84 Tested By:

Lab Supervisor Signature	Date
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