

MATERIALS AND RESEARCH
DELAWARE DEPARTMENT OF TRANSPORTATION
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SPECIFIC GRAVITY AND ABSORPTION OF FINE AGGREGATE
AASHTO DESIGNATION T-84

Date Received: _____ Test By: _____
Date Tested: _____ Test #: _____

A = Weight of the oven dried sample in air, in grams = (beaker + FA) – beaker
B = Weight of the flask filled with water, in grams
C = Weight of the flask with sample and water to the calibrated mark, in grams

BULK SPECIFIC GRAVITY

- 1) $B + 500.0 - C =$ _____ Note: _____
- 2) $G_{\text{bulk}} = \frac{A}{B + 500.0 - C} =$ _____
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BULK SPECIFIC GRAVITY (SSD)

- 1) $B + 500.0 - C =$ _____ Note: _____
- 2) $G_{\text{SSD}} = \frac{500.0}{B + 500.0 - C} =$ _____
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APPARENT SPECIFIC GRAVITY

- 1) $B + A - C =$ _____ Note: _____
- 2) $G_{\text{APP}} = \frac{A}{B + A - C} =$ _____
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ABSORPTION

- 1) $500.0 - A =$ _____ Note: _____
- 2) $\frac{(500.0 - A) * 100}{A} =$ _____
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COMMENTS: _____
