

Ash Content, % = $(C \times 100)/B$

where:

C = ash, g, and

B = oven-dried test specimen, g.

Organic Matter

12. Calculation

12.1 Determine the amount of organic matter by difference, as follows:

Organic matter, % = $100.0 - D$

where:

D = ash content, %.

13. Report

13.1 Report the following information:

13.1.1 Results for organic matter and ash content, to the nearest 0.1%.

13.1.2 Furnace temperature used for ash content determinations.

13.1.3 Whether moisture contents are by proportion of as-received mass or oven-dried mass.

13.1.3.1 Express results for moisture content as a percentage of as-received mass to the nearest 0.1%.

13.1.3.2 Express results for moisture content as a percentage of oven-dried mass as follows:

(a) Below 100% to the nearest 1%.

(b) Between 100% and 500% to the nearest 5%.

(c) Between 500% and 1000% to the nearest 10%.

(d) Above 1000% to the nearest 20%.

14. Precision and Bias

14.1 The precision and bias of these test methods have not been determined. Data are being sought for use in developing a precision and bias statement.

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ASTM C-88-90

Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate

ASTM C-131-89

Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine

ASTM procedures C-88-90 and C-131-89 are special situation tests that rarely will be required, and have not been published here. They are available from the American Society of Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.