

BOWSER-MORNER, INC. - CONSTRUCTION MATERIALS LABORATORY

2009 Laboratory Testing Fees - Filter Media

AASHTO/ISO 17025 ACCREDITED

Miscellaneous Fees

Sampling - Time	\$58.00/Hour
Sampling - Mileage	\$0.60/Mile
Consultation, Senior Geologist/Engineer	\$120.00/Hour

Filter Media; Sand, Gravel, Anthracite

1. Necessary Sample Preparation	\$58.00/Hour
2. Material Passing No. 200 Sieve; Decantation (ASTM C 117)	\$58.00
3. Unit Weight (ASTM C 29)	\$62.00
4. Five Cycle Soundness (ASTM C 88)	\$320.00
5. Los Angeles Abrasion; LA (ASTM C 131, C 535)	\$134.00
6. Lightweight Particles; Heavy Media Separation, (ASTM C 123)	
a. Sand/Anthracite Separation at 2.00 Specific Gravity	\$240.00
b. Anthracite/Anthracite Separation at 1.45 and 1.95 Specific Gravities	\$320.00
7. Visual Deleterious Materials, Soft Pieces, Flat & Elongated, Friable Particles, etc.	\$224.00
8. Organic Impurities (ASTM C 40)	\$58.00
9. Sieve Analysis (ASTM C 136); Includes Determination of Effective Size (D10) and Uniformity Coefficient (UC)	
a. Coarse (+ #4)	\$80.00
b. Fine (- #4)	\$80.00
10. Acid Solubility (AWWA B100-01, sec. 5.3.1)	
a. Silica Material	\$68.00
b. Carbonate Material	\$130.00
11. Caustic Solubility (ASTM D 1109)	\$100.00
12. Gravel Shape Test (AWWA B100, Sec. 5.3.2)	\$70.00
13. Specific Gravity (ASTM C 127, C 128)	\$86.00
14. MOH Hardness (AWWA B100-01, Sec. 5.3.5)	
a. Plus No. 4 Material	\$64.00
b. Minus No. 4 Material (Includes Specimen Prep)	\$150.00
15. Loss on Ignition (ASTM D 2974)	\$58.00
16. Porosity (ASTM C 29, C 127, C 128)	
a. Specific Gravity Previously Determined	\$62.00
b. Specific Gravity Required	\$120.00
17. Friability - Paint Can Method	\$90.00
18. Sphericity and Roundness (API RP 56)	\$90.00
19. Hardgrove Grindability Index (ASTM D 409)	\$120.00
20. Proximate Analysis (D 3172, D 5142)	\$140.00
21. Iodine Number (D 4607)	\$220.00
22. Turbidity	\$100.00

Sampling and testing is performed as specified by the current AWWA B100 specification as applicable.

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