



Contract Research Testing - Current Pricing

(Extensive paper testing is negotiated on an individual project basis. Pricing for larger projects may significantly lower the price per sample. Call 513-529-2530 for a quotation.)

Beater Curve (4 CSF points with the following tests) (TAPPI Method 200)

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|----|------------------|-------|
| 1) | CSF | |
| 2) | Basis Weight | |
| 3) | Caliper | |
| 4) | Apparent Density | |
| 5) | Tensile | |
| 6) | Tear | |
| 7) | Burst | \$350 |

Each additional CSF point is \$ 50

Individual Test

Canadian Standard Freeness (TAPPI T-227) (Run in duplicate)	\$30/sample
Basis Weight (TAPPI T-410)	\$20/sample
Caliper - 10 test (TAPPI T-411)	\$20/sample
Apparent Density (TAPPI T-220)	\$40/sample
Tensile - 10 test (TAPPI T-494) * Stretch - 10 test (TAPPI-494) (Calculated as part of Tensile)	\$60/sample
Smoothness (TAPPI T-538 or T-555)	\$40/sample
Tear - 10 test (TAPPI T-414)	\$25/sample
Burst - 10 test (TAPPI T-403)	\$25/sample
Ash % - duplicate (TAPPI-403)	\$75/sample
Cobb - 10 - 20 test (TAPPI T-441)	\$40/sample
HST (TAPPI T-530)	\$20/sample

Some test listed above may require Machine Direction and Cross Machine test runs. Cost per sample will increase approximately 50%.

Handsheets

Handsheets formed plus 7	\$150/sample (TAPPI or Noble & Wood)
Test from beater curve performed	\$200/sample (Directional)

Ash %

(Texas Nuclear)	\$45/sample
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Optical Testing

Brightness (TAPPI-562)	\$25/sample
Opacity (TAPPI-425)	\$25/sample
Scattering Coefficient (TAPPI-425)	\$30/sample
Color (L, a, b, or other)	\$50/sample
Eric 950 (de-inked pulp)	\$30/sample

Fold (MIT or Schopper)

TAPPI (T-423 or T-511)	\$30/sample
10 Test	

Zero Span

10 Test	\$30/sample
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Scott Bond

10 Test	\$30/sample
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Hot or Cold pH

TAPPI (T-435 or T-509)	\$60/sample
Run in duplicate	

Water Vapor Transmission Rate

(Samples run in duplicate)	\$150/sample
(TAPPI T-448 and T-464)	

Repulpability

	\$150/sample
	\$256/sample

Dichloromethane Extraction

(Run in duplicate)	\$75/sample
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Somerville Screen Shive Test

(TAPPI Useful Method 242)

Small Particles

Surface Area (BET)	\$120/sample
Particle Charge	\$120/sample

STFI Compression

\$60/sample

Creep Test

Available Soon

Pilot Paper Machine

The paper machine is available for \$150/hour with a minimum of 4 hours. Additional charges for stock preparation and cleanup would apply at the rate of \$60/hour.

Pilot Coater/Laminator

The pilot coater/laminator is available for \$310/hour, with a minimum of 4 hours. Additional charges for preparation and cleanup would apply at the rate of \$60/hour.

Additional Professional Services

Additional professional services are available at the following rates:

Technician Time	\$60/hour
Faculty Time	\$200/hour

Sample ship to address:

**Miami University
Paper Science and Engineering Department
Attention: Doug Hart
229 Gaskill Hall
Oxford, OH 45056
513-529-2530**