

Services List

Econotech Services Ltd.

www.econotech.com

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Email: info@econotech.com
Tel: (604) 526-4221 or
(800) 463-5700
Fax: (604) 526-1898

Address:
852 Derwent Way
Delta, BC V3M 5R1
Canada

This document lists the standard tests and services available at Econotech. For additional information, custom services and pricing please contact us.

SAMPLE SHIPMENT - Please provide a purchase order with each shipment. Samples should be shipped prepaid.

RUSH ANALYSES - Econotech can accommodate your requirements for rush analysis. Rush service may be subject to a surcharge.

US CUSTOMERS - Samples can easily be shipped to our facility. Please consult our website for detailed shipping instructions. Shipping instructions can be found in the "Contact Us" section of our website.

SAMPLE STORAGE - Samples will be retained at Econotech for a period of three months from time of sample receipt (where appropriate). Samples will be discarded unless prior arrangements have been made.

For more information regarding specific services at Econotech, please call us at 604-526-4221 or 1-800-463-5700

| Service | Contact | Local | Email |
|-------------------------------------------|----------------|--------------|-----------------------|
| General Information | | | info@econotech.com |
| Quality Assurance | Donna Johannes | 237 | donnaj@econotech.com |
| Chemical and Liquor Analysis | Thomas Yuen | 238 | tom@econotech.com |
| Pulp and Paper Testing | Sandra Fodor | 253 | sandra@econotech.com |
| Pulp and Paper Testing | Yolanda Cahoon | 234 | yolanda@econotech.com |
| Contaminant ID | Eric Chao | 265 | eric@econotech.com |
| Microscopy, Species ID and Asbestos | Jodi Murphy | 256 | jodi@econotech.com |
| Microscopy, Species ID and Asbestos | Heather McLeod | 255 | heather@econotech.com |
| Environmental Analysis | Jodi Murphy | 256 | jodi@econotech.com |
| Environmental Analysis | Lien Vu | 226 | gc@econotech.com |
| Environmental Analysis | Hur Begum | 246 | env@econotech.com |
| Organic Halide Analysis (AOX) | Jodi Murphy | 256 | jodi@econotech.com |
| Pulping and Bleaching Pilot Plant Studies | Keith Becker | 233 | keith@econotech.com |
| Dissolving Pulp End-Use Testing | Ralph Abley | 232 | ralph@econotech.com |
| Returned Lime Analyzer | Ralph Abley | 232 | ralph@econotech.com |



DISSOLVING PULP - VISCOSE AND ACETATE TESTING

Standard dissolving pulp evaluations are listed.

For quotes or other questions, please contact Ralph Abley at 604-526-4221 or 1-800-463-5700.

Test

VISCOSE PULP EVALUATION

Routine small scale viscose (slurry steep or sheet steep), including:

aging time, filterability, haze, clarity and ball fall

Sheet properties, including:

capillary rise, sheet flotation, caustic absorption, swelling volume, density

ACETATE PULP EVALUATION

45 gram acetylation

Acetate flake

Also available:

Clogging constant, plugging value, haze, color

Phase contrast photomicrographs and counts

Acetate flake viscosity

Acetyl value

CARBOXYMETHYL CELLULOSE (CMC) EVALUATION

Grinding, steeping and etherification

testing for viscosity, haze, clarity, color, degree of substitution and visual fiber rating

Also available:

Analysis of CMC for sodium chloride (3 sample minimum),

Analysis of CMC for sodium glycolate (3 sample minimum).

NITROCELLULOSE PULP EVALUATION

Yield, % nitrogen, stability, haze, color, acid retained, acid drainage, foam, nits (minimum 6 samples per project)

Also available:

Nitrocellulose drainage with no yield testing

Photomicrographs