

Trusted Technical Expertise.



Columbia Analytical Services, Inc. has been providing analytical services to the pulp, paper, and packaging industry for over 15 years. Our primary analytical services revolve around trace contaminants monitoring required for environmental compliance on process streams, effluents, groundwater, air, solid waste, pulp, and product samples. We provide full services including project planning, sampling, analysis, data interpretation, and database management.

Examples of the services that Columbia Analytical provides with emphasis on product quality testing are shown below.

## **FDA Extractions\***

- Condition C
- Condition D
- Condition E
- Condition F
- Condition G
- Condition H

## **Emissions Chambers**

- Volatile Organics
- Sulfur Speciation
- Odor Identification
- Product Emission Studies
- Air Treatment Studies

## **Wet Strength Components**

- Acetaldehyde
- Formaldehyde

## **RPTA Protocol Testing**

- FDA Extractions
- Volatile Organics
- Metals
- Semivolatile Organics
- PCBS
- Organochlorine Pesticides
- Dioxin
- Bacteria

## **Migration Studies**

- FDA Solvents/Extractions

## **Carbonless Paper**

- DIPN

## **Proposition 65 Components**

## **Microwave and Heated Packaging Emissions**

- Acrylonitrile
- Benzene
- Carbon Tetrachloride
- Chloroform
- 1,2-Dichloroethane
- 1,4-Dioxane
- Epichlorohydrin
- Ethyl Acrylate
- Methylene Chloride

## **Coating Monomers**

- Acrylamide
- Ethyl Acetate
- Vinyl Acetate

## **Phthalate Esters**

*\*extractive residues correction options available*