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More than ten years ago, the Recycled Paperboard Technical Association (RPTA) in conjunction with Columbia Analytical Services, Inc., began performing migration studies for food-contact paperboard. This long-term collaboration resulted in the RPTA's publication of "**Chemical Testing Protocol for Food-Contact Paperboard made from Recycled Fiber**" in 1998 and the attendant annual monitoring that continues today. The testing protocol includes these parameters:

RPTA Testing Protocol Parameters for Food-Contact Paperboard

Parameters	Methods	Notes
FDA Extractives	CFR 176.170	Conditions of use dependent upon product utilization
Bacteria	SM 9215B	Swab Test Protocol (1991)
Metals	EPA 6010/6020/7432	ICP-MS techniques performed to achieve sensitivity for low allowable concentrations
Chlorinated Pesticides	EPA 8081	
PCBs (as Aroclors)	EPA 8082	Low-level GC/ECD technique used
Volatile Organic Compounds	EPA 8260	GC/MS technique used
Dioxin (2378-TCDD and 2378-TCDF)	EPA 1613 or 8290	Trace technique used to reach 1 ppt reporting limit
PAHs	EPA 8270 SIM	Low-level selective ion monitoring (SIM) technique required to reach allowance concentrations
Semivolatile Organic Compounds	EPA 8270	Includes phthalate esters and other base neutral semivolatile organics

Additional Product Testing Services include the following:

- Odor Emissions and Identification: Reduced Sulfur Compounds
- Carbonless Paper Component: Diisopropylnaphthalene (DIPN), Secondary Butyl Diphenyl Methane, and Secondary Butyl Diphenyl Ethane
- Wet Strength Resin Components: Acetaldehyde and Formaldehyde
- Coatings/Retention Aids: Acrylamide, Ethyl Acetate, and Vinyl Acetate
- Simulated Microwave Emissions: Acrylonitrile, Benzene, Carbon Tetrachloride, Chloroform, 1,2-Dichloroethane, 1,4-Dioxane, Epichlorohydrin, Ethyl Acrylate, Methylene Chloride, and Trichlorethylene
- Proposition 65 Components
- Phthalate Esters
- Analytical Method Development for specific customer or regulatory parameters

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