



About Battelle

Battelle is the world's largest nonprofit independent research and development organization, providing innovative solutions to the world's most pressing needs through its four global businesses: Laboratory Management, National Security, Energy Technology, and Health and Life Sciences. It advances scientific discovery and application by conducting \$5 billion in global R&D annually through contract research, laboratory management, and technology commercialization.

The Battelle World Detergent Program

What is the BWDP?

For more than 20 years, Battelle has performed analytical chemistry-based compositional analysis on a wide range of commercial detergents through the Battelle World Detergent Program (BWDP). The BWDP is a multi-client study that spreads the analysis cost across all subscribers. Battelle's multidisciplinary team of chemical engineers, chemists, and market research experts perform analysis on 260 products annually, ranging from laundry detergent to hand-washing detergent. The study quantitatively determines all major and minor ingredients so that the composition of the detergent may be reconstructed in weight percent. The analysis includes such ingredients as:

- Surfactants
- Builders and fillers
- Bleaching systems
- Polymers
- Enzymes
- Complexing agents
- Phosphates
- Foam control agents
- Hydrotropes
- Brighteners.

Detergents selected for analysis are obtained throughout the world and analyzed by a dedicated team of Battelle chemists and chemical engineers. Subscribers are supplied with the analytical data on the composition of major brands of detergents sold in Europe, North America, Asian and Pacific countries, and Latin America.

Why subscribe to the BWDP?

Product innovation continues to drive the detergent industry. Companies in the detergent industry are constantly developing new formulations, new products, and new presentations. It is essential for both detergent formulators and ingredient suppliers to stay up to date with the influx of new products in what has become a global market. A subscription to the BWDP provides a cost-effective, accurate, and timely means to keep abreast of changes in the marketplace.

The objective of the BWDP is to provide detergent suppliers and manufacturers with:

- Regular analysis of major detergent brands sold in four geographical regions (Europe, North America, Asian and Pacific countries, and Latin America)
- An early warning system where the chemical analysis of new significant products is supplied on short notice
- Client meetings presenting a summary of all the formulations analyzed in the context of the BWDP
- Analytical developments, the cost of which is shared by all program members
- Informal meetings with companies having similar interests
- Access to the technical expertise developed as a result of over 20 years of experience in the detergent field.



Products Analyzed

Products are analyzed from each of the four geographical regions (Europe, North America, Asian and Pacific countries, and Latin America). The products originate from:

- Large multinational companies
- Important regional and/or national companies
- Producers of private label and generic products.

The analytical program concentrates on household detergents such as

- Laundry products
 - Heavy-duty powders (regular, compact; standard and color)
 - Heavy-duty detergent tablets
 - Heavy-duty liquids (regular, concentrated) and capsules (standard and color)
 - Fine fabric detergents (powders, liquids)
 - Hand wash (soap bars, syndet bars, pastes)

- Dishwashing products
 - Hand dishwashing (liquids, paste, gels)
 - Automatic dishwashing (liquids, paste, gels, powders, tablets)
- Other products
 - Fabric softeners (liquids, sheets)
 - Hard-surface cleaners (all purpose, special purpose)
 - Lavatory care (toilet bowl cleaner, bowl- or cistern-cleaning blocks)
 - Stain and odor removers
 - Bleaches (liquids, solids)
 - Dry-cleaning kits

To view this information online, go to www.battelle.org/bwdp