For more information:
Melissa Kirkwood
Media Relations Coordinator
AIB International
news@aibonline.org

For IMMEDIATE RELEASE

March 4, 2016

AIB unveils new baking process kill step calculator for crisp cookies

Manhattan, KS – The latest addition to the production profiles for AIB International’s catalog of baking process kill step calculators now includes crisp cookies. This calculator along with kill step validation consulting services are empowering bakeries to validate their food safety preventative controls and accurately evaluate Salmonella destruction in bakery products. The FDA’s Food Safety and Modernization Act (FSMA) requires validation and verification of thermal processes to ensure product safety.

“The food industry has long believed that all biological organisms like yeast or pathogens are killed in the oven, and critical product quality attributes are achieved,” says Lakshmikantha Channaiah, Microbiology Director at AIB International. “Under FSMA, the FDA is requiring proof of that theory; however, prior to AIB’s latest contribution, there was not publically available research to use as foundational scientific validation.”

This is the fourth calculator developed by AIB International with other calculators available for muffins, whole wheat bread, and hamburger buns. All calculators and information can be viewed here. Commercial bakers can use these calculators to evaluate the lethality of a thermal process (baking) to destroy Salmonella in their crisp cookies and demonstrate the effectiveness of the process to comply with FSMA. The interactive calculator works by using the oven time and temperature parameters to automatically determine the total process lethality (e.g., 5 log) for Salmonella. If the desired log reduction is achieved for the baking process and pathogen of concern, the generated report can be used as guidance and supporting documentation for FSMA’s validation and verification process.

AIB International has offices strategically located across the globe and serves more than 120 countries, all with the same central mission: to empower the global food industry to elevate their food safety and production process capabilities.

For more information about AIB International visit www.aibonline.org or call 800-633-5137.

###