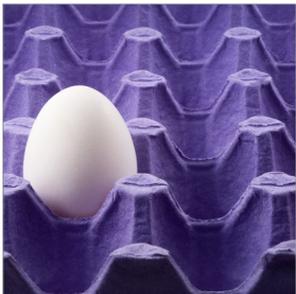




NSF INTERNATIONAL

NSF SERVICES FOR THE PACKAGING INDUSTRY





As food production and distribution networks become ever more complex, food safety requirements have extended to suppliers at all levels of the supply chain. Many food packaging and packaging materials producers are now required to complete facility audits, product or material testing, and food safety certification, among other industry and regulatory requirements.

With 70 years of experience working with the food industry and protecting public health, NSF International understands the challenges that packaging producers face meeting customers' quality and food safety demands. As a company that offers a variety of services from in-house laboratory testing to food safety audits, consulting, training and certification, NSF is your single source for packaging industry risk management services.

AUDITS AND CERTIFICATION

NSF provides a choice of food safety audit services for the packaging industry, up to and including audits leading to Global Food Safety Initiative (GFSI) certification.

Audits - Audits play a key role in verifying proper food safety practices at packaging and packaging material manufacturing plants. Its report data is used to help select suppliers, demonstrate due diligence for customers, and validate internal policies and procedures.

NSF's Supplier Assurance Audit is a non-certified audit which has been used by the packaging industry for many years. It is an excellent tool for evaluating a facility's compliance to HACCP and GMP requirements. Additionally, NSF works closely with several major retailers and foodservice companies to conduct proprietary audits for their packaging suppliers.

Certification - Today, many companies in the packaging sector are undertaking GFSI certification to help ensure food safety and brand protection and secure new business opportunities with customers specifying GFSI-certified packaging suppliers.

NSF is the leading global certifier to GFSI benchmarked standards, with exceptional technical expertise, consistently calibrated auditors and capacity for a timely path to certification. Our GFSI audits enable packaging and packaging materials manufacturers around the globe to demonstrate compliance to the world's highest food safety standards. NSF is accredited to the following GFSI-benchmarked standards for packaging:



NSF also has the added benefit of being able to bundle any of the above audit types with ISO 9001 or ISO 14001 audits to provide cost savings, consistency, and convenience for the packaging producer.

For more information on NSF's audits or certification services for the packaging industry, email: packaging@nsf.org.

CONSULTING AND TECHNICAL SERVICES

NSF provides a broad range of consulting and technical services tailored to your needs as a packaging supplier to food manufacturers. These services include:

- **Package Integrity Testing:** Test the strength and integrity of your product's package stored under various storage conditions.
- **Closure Testing:** Industry standard test methods are used to evaluate the performance of water and carbonated soft drink closures.
- **Permeation Testing:** Certified testing laboratory for oxygen transmission rate (OTR) and water vapor transmission rate (WVTR) of packages and films.
- **Shelf-life Testing and Improvement:** Maintain or extend your product's shelf life by suggesting appropriate materials and packing techniques (including modified atmosphere packaging).
- **Troubleshooting Issues:** Determine the cause of shortened product shelf life or package failure.
- **Package/Product Interactions:** Evaluate the sensorial properties of packaging to ensure that undesirable odor or taste is not transferred to the food product.

FOOD CONTACT MATERIAL REGULATORY COMPLIANCE

In addition to performance testing of your packaging, NSF offers a wide range of service offerings as a passport into three of the largest and most stringent food contact materials markets: the United States, Canada and Europe. To that end, NSF can provide the following materials evaluations:

21 CFR Material Reviews (US)

- Toxicological review to 21 CFR for intended end uses of the packaging
- Detailed compliance report identifying testing and specifications required

US FDA Testing

- 21 CFR end product testing
- Compliance Policy Guide testing
- Migration testing
- Food Contact Notifications submission package to the FDA

Health Canada

- Food Contact Substance Migration testing to support Health Canada submissions

EU Compliance

- Toxicological review to the Framework Regulations and EU Directives
- Overall and Specific chemical migration testing
- Complete dossier to support Compliance

For more information on NSF's food contact materials testing services, email: packaging@nsf.org.

TRAINING



With constant changes in product testing and packaging technologies, it is tough to stay on top of the latest trends and regulations. Trust NSF's 20 years of training expertise to keep you educated. We offer a series of training programs designed for the packaging industry. Our interactive workshops cover the fundamentals of packaging and the information you need to ensure that requirements are met for packaging and product safety, suitability of use, and sustainability initiatives.

- HACCP for Manufacturing Food Packaging Materials
- BRC Global Standard for Packaging, Issue 4 – Understanding the Requirements
- Food Packaging Workshop: Material, Performance and Applications
- Display-Ready Pallet Packaging

NSF also offers a range of training courses designed to help prepare companies for GFSI certification, including SQF, BRC and FSSC.

To see a list of upcoming public training courses, visit www.nsf.org/info/training, or www.gftc.ca, then click "Courses & Training." Or, email us at: training@nsf.org.

SUSTAINABILITY ASSURANCE

Under pressure from government, the media and consumers, the packaging industry is continually searching for new methods to make products more sustainable. Through product evaluation, testing and verification, the Sustainability division of NSF offers a variety of services to support the packaging industry.

- The NSF Landfill-Free Program establishes criteria to evaluate and verify an organization's waste management processes, and grants recognition to companies that can demonstrate that less than 1 percent of process waste is being sent to landfill.
- NSF can verify environmental or performance claims made by your company, including recycled content, bio-based material, as well as compostability and biodegradability.
- The NSF Performance Plus sustainability reporting tool delivers an affordable, accurate and time effective alternative to spreadsheets and other manual reporting methods. NSF Performance Plus helps your company align reporting to supplier expectations, compliance, and management system or product certification requirements.
- NSF is an accredited reviewer for the U.S. Environmental Protection Agency's (EPA) Safer Choice program, which recognizes products that meet stringent ingredient- and product-level criteria.
- The NSF Sustainable Forest Initiative (SFI) provides a responsible fiber sourcing certification that assures customers that your packaging materials come from reliable sources that promote sustainable forest management.



CONTACT US

Contact NSF today to learn more about our complete suite of services for the packaging industry:

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NSF HISTORY For seven decades, the NSF name has been synonymous with quality, integrity, and expertise in the food industry. Our roots are in food safety, dating back to our founding in 1944 when NSF was developed as part of the University of Michigan's School of Public Health to facilitate public health standards for the foodservice industry. Today, protecting and improving public health and safety remains our mission and at the core of everything we do. Through the years, NSF has been a leader in developing new standards and technologies that support public health safety and food quality. NSF holds steadfast ties to regulatory agencies such as the USDA, the FDA and EPA, who often look to us for guidance in their food safety advancements. NSF

International is a Pan American Health Organization/World Health Organization Collaborating Center on Food Safety, Water Quality and Indoor Environment.

NSF's commitment to public health, integrity and expertise are reasons why NSF is The Most Trusted Name in Food Safety™, and why NSF is the right choice as your one-stop food industry solutions provider. We have the knowledge, expertise, people and technology to bring practical and timely solutions to your complex food safety challenges.



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