The Public Health
and Safety Company™

# Detecting GMOs in Food and Agricultural Products

• Independent Third-Party Testing • Research and Development Services

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## An Evolving Market

Across the globe, there are constantly changing regulatory, industry and consumer demands regarding Genetically Modified Organisms (GMOs). In order to assist companies in keeping ahead of these changes, NSF International, with over fifty years of third-party product verification expertise, now offers a comprehensive program of GMO testing. NSF is part of a network of labs licensed by Genetic ID for detecting the presence of GMOs in food and agricultural products.

Personalized testing services, combined with up-to-the-date marketing, technical and regulatory intelligence on GMOs allows food processors, manufacturers and distributors, to capitalize on:

- Increased opportunities for market share
- Exporter access to global non-GMO markets
- Benefit of comprehensive risk management
- Screening for unapproved GM varieties
- Compliance with industry and government requirements
- A clear understanding of complex GMO issues
- Increased consumer confidence and loyalty
- The benefit of independent, third-party credibility

*"There is a viable market for non-GM products. Self-certification is inadequate because testing can refute a non-GMO claim, which makes product buyers angry. As a result, we searched out the best third-party non-GMO certification program to ensure our guarantee was absolute to our customers."*

-George Kailis, owner
Baldivis Estate Wines
Serpentine, Western Australia

## NSF provides the highest level of customer service to effectively meet your needs:

- Rapid turnaround with an option for results within 24 hours
- Personal service from your own account manager
- Customized GMO tests for your specific products
- Volume discounts
- Updates on international GMO regulatory issues
- Research and development services for new product challenges

## GMO Testing–Exporter Benefits

Food and agricultural exports must often pass two or more GMO tests. Inconsistencies can lead to refused shipments, brand damage, lawsuits and even criminal penalties for importers and exporters. The accuracy and reliability of GMO tests vary widely among laboratories and testing methods, with inconsistent test results pose great risks for food producers and exporters. NSF is able to significantly reduce these risks with rapid third-party testing.

NSF is part of a network of leading laboratories that establish uniform standards of excellence in GMO testing. Analysis is primarily nucleic acid based, utilizing Polymerase Chain Reaction (PCR) testing, which analyzes DNA directly. Members of the Global Laboratory Alliance share expertise to continuously enhance speed, efficiency and precision of GMO testing technology.

Testing performed through NSF International:

- Ensures consistent, standardized testing worldwide
- Facilitates trade and regulatory compliance
- Provides rigorous technology, proven on tens of thousands of samples
- Minimizes the risk of refused shipments
- Validates a products' GMO threshold claims
- Uses the most accurate PCR protocols available
- Differentiates approved and unapproved varieties
- Provides confidential test result with expedited turn times

*"People buying non-GM products want third-party documentation that verifies it is truly non-GMO."*

-Terry Thrash, CEO
Associated Farmers Deinting Inc.
Littlefield, TX

## Identifying Approved and Unapproved GM Varieties

International zero tolerance regulations banning imports of specific GM varieties pose great risks for exporters. If ANY amount of an unapproved GMO is found, shipments can be refused, products may be seized and destroyed, and importers can face fines and even criminal penalties. NSF International uses precise and cost-effective Varietal ID GM tests, to screen food products for the possible presence of unapproved GMOs.

## 10 Reasons Why NSF And Genetic ID Deliver The Most Reliable GMO Test Results Available

NSF Laboratories

- Analyze a statistically valid sample size
- Uses proprietary DNA extraction methods
- Are able to detect all GMOs in the marketplace
- Uses external standards for accurate quantitative analysis
- Generate precise results over a wide range of GMO concentrations
- Verifies real-time results
- Empirically verifies all new analytical methods available
- Identifies approved and unapproved GM varieties
- Guarantees consistent, reliable testing worldwide
- Offers unmatched expertise in GMO testing

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