

SigNature T DNA keeps textiles real and safe with our unique molecular tagging, testing and traceability program. SigNature T allows for superior quality control and assurance at any point in your supply chain.

## SigNature® T for Textiles

Fiber, yarn, fabric and garment labels can be tagged with SigNature T. Patented and proprietary, SigNature T is stable and is engineered to adhere tenaciously to virtually any textile substrate, including natural and synthetic fibers. These botanical-based taggants cannot be copied and survive standard textile treatment processes.

Traceability. Transparency. Trust.



## Solution Readiness

SigNature T DNA tags are custom designed to be compatible and stable in a wide range of textile substrates and manufacturing processes. SigNature T DNA is a secure and cost-effective way to assure quality in natural and synthetic fibers, offering forensic-level authentication at any point in the supply chain, from fiber to finished goods.

- Custom-designed DNA tags cannot be copied
- Robust, strongly adherent to fiber, yarn or fabric
- No impact on performance or quality of material
- Traceable to original point of origin
- Economical, easy to apply on large scale

## Key Features

1. **Forensic Certainty.** SigNature T can be applied to and tested at any point within your supply chain, allowing for forensic traceability from land to brand.
2. **Customized.** Unique to each customer, batch or lot.
3. **Quality with Precision.** Specially designed to have no impact on the quality or performance of the tagged material.
4. **Seamless.** Easily integrates with existing manufacturing processes.
5. **Scalable.** SigNature T DNA tagging can be used to protect billions of items, from fiber to yarn to fabric.



## Secure Chain of Custody

As part of the SigNature T DNA system, Applied DNA Sciences provides risk assessment review of the client's process, and conducts on-site visits to ensure that tagging and testing are being performed as per standard operating procedures.

Applied DNA Sciences recommends that all customers, in accordance with good manufacturing practices, establish an ongoing quality system. As part of a quality management system, customers can incorporate continuous DNA testing of samples marked throughout their production and on finished garments. This enables random sampling and testing from point of origin to point of sale, consistent with ISO 9001 standards for a continuously improving Quality Management System.

## Traceability by SigNature® T Tagging and Authentication

Product authentication is the foundation of successful, quality-driven businesses. Applied DNA Sciences works with textile and apparel clients to systematically tag and test different batches and lots marked with SigNature T, from fiber to finished goods.

SigNature T Tagging and DNA Authentication helps customers:

- Build trust and credibility
- Protect reputation and intellectual property
- Assist in quality control and assurance
- Assist in compliance with applicable laws
- Promote legal enforceability of transactions
- Minimize losses by reducing illegal activity
- Monitor and verify supply chain



**SigNify OS** supply chain solution for quality assurance



**applieddnasciences** **SAMPLE**

Client: Textile Company Report Date: April 25, 2015

Job Request Ref: Lab Book Ref: None

Job Name: Cotton Textile & Apparel Authentication Report

Textile Company: 25148 Job Reference Number: 04202015

Lab Network Address Number: N/A JPHS Reference Number: C150214-002

Sample Description: Unfinished Cotton Material

Sample ID: 32

Quantity of Origin: 100% ELS

Manufacturer: Textile Company Fiber Content Description: 100% ELS

Tested by: [Signature]

Reviewed by: [Signature]

Quality Assurance: [Signature]

**On-Site Benefits:**  
 Real-time testing, on location  
 Easy to setup  
 Training provided  
 Quality Control  
 Customer support

## Introducing SigNify® os

For textile and apparel customers looking to conduct high-volume greige goods cotton testing, Applied DNA Sciences offers a turnkey solution with SigNify os “On Site” DNA authentication system that includes:

- SigNify os equipment and consumables
- Service and maintenance
- SigNify os training and certification
- Online customer service support

## SigNify os Benefits

- It's Accessible – DNA testing anywhere in the world. On-Site systems can be setup in multiple locations, without the expense of a full laboratory.
- Real Time, Saves Time: DNA testing just got faster. Up to about 100 samples can be tested per day, and monitored on location.
- All Inclusive. DNA testing got easier. Quick to install, easy to learn, with basic lab skills. On-Site equipment, accessories, software, service and maintenance, training all included.



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