



Traceability Solutions

Today's consumers are more discriminating than ever. They ask questions about your product such as where it came from and what is in it. They question claims that you make regarding your product. Traceability solutions from Bureau Veritas allow you to answer those questions quickly and with confidence.

www.bureauveritas.com/cps



Why is traceability important?

It is all about reputation, yours. Many factors put your reputation at risk every day.

Social Media – A misrepresentation of your product or company on social media can spread like wildfire overnight. You need to be able to provide factual evidence in hours, not days or weeks. Evidence such as what materials are in your product, where was it produced and under what conditions.

Counterfeits – Counterfeit products of poor quality can destroy your reputation. Counterfeit products that are unsafe or illegal can not only destroy your reputation but expose you to civil and legal damages. You need to be able to prove positively identify your product and distinguish it from counterfeit

The Law – There are many Federal and state laws that require traceability including the Consumer Product Safety Improvement Act (CPSIA), Toxic Substances Control Act (TSCA), Food Safety Modernization Act (FSMA), Washington Children's Safe Products Act, and more. Failure to comply with these regulations can cost you money as well as delays in product reaching the shelf.



Bureau Veritas understands your business and understands traceability. We have a wide variety of tools at our disposal to develop a solution tailored to your challenges.

Material Traceability Assessment

Proper procedures and recordkeeping are fundamental to any traceability system. Bureau Veritas has a global network of over 200 auditors covering fifty countries. We have developed specialized assessment protocols to make sure a facility is prepared for your traceability requirements as well as auditing their ongoing compliance to those requirements.

Scope

The areas evaluated include:

Management Systems

- Business license
- Quality Policy and Documented Manual
- Raw-material and Product Specifications
- Document Control & Recordkeeping

Purchasing

- Supplier selection and monitoring
- Raw material specifications
- Incoming Material Inspection
- Certificate of Conformity from suppliers

Traceability

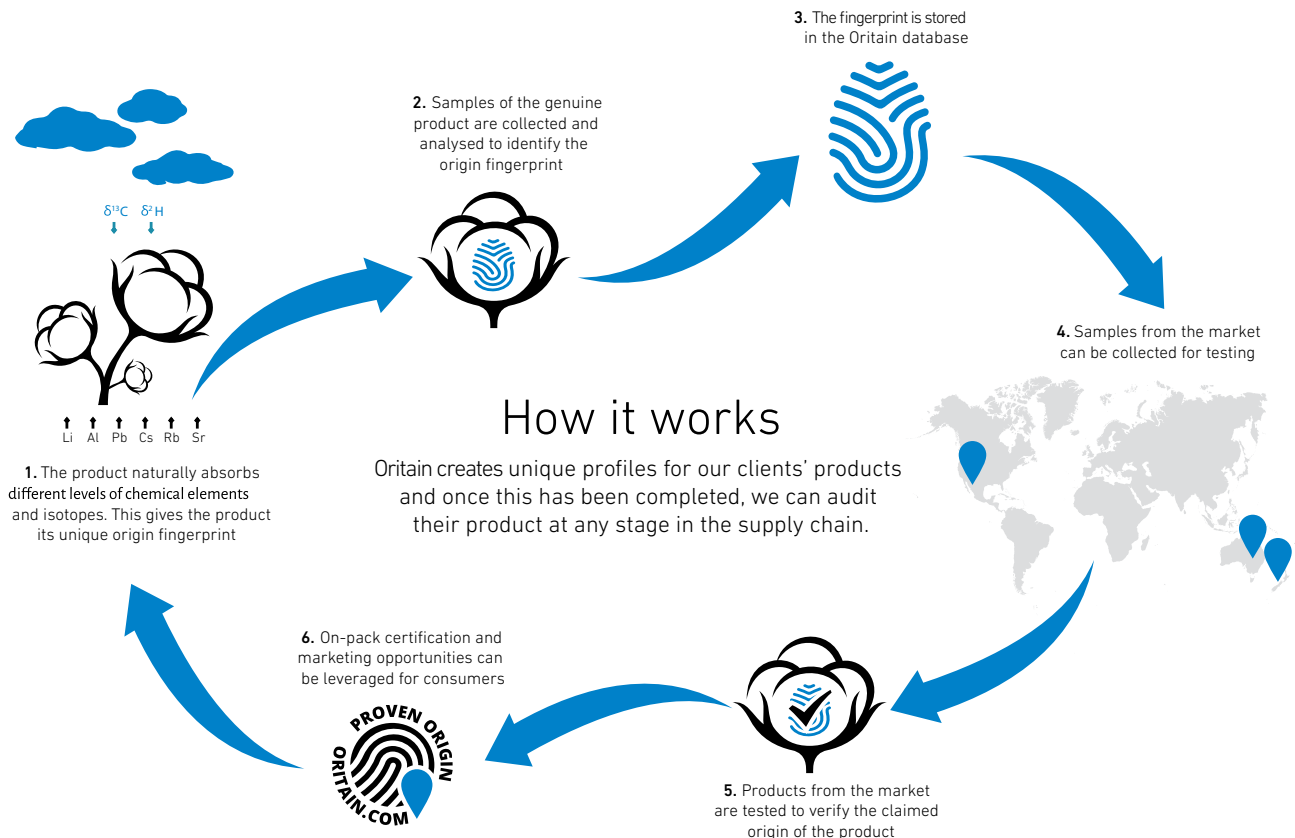
- Traceability procedure
- Country of Origin
- Extent of traceability (item-wise, lot-wise, etc.)
- Material identification and segregation

Product Control

- Control of Non-Conforming Product
- Prevention of cross-contamination
- Packaging materials
- Final Inspection and Positive Release
- Product Transport, Storage and Distribution
- Testing Plan
- Product Certification and Product Claims

Scientific Verification Methods

Often the use genuine materials can be confirmed through testing samples of the product. These test results can be used to demonstrate the accuracy of traceability records. Bureau Veritas has an extensive global network of laboratories capable of testing such materials as down, wool, cotton, fur, stainless steel. In addition, we have relationships with leading companies providing proprietary solutions including DNA testing and other unique scientific methods. Recently we have entered such a relationship to bring Oritain's Scientific Traceability service to our clients. This unique service allows a scientific test to determine or confirm the origin of many products to the country, region, or even site level. Developers of such technologies recognize Bureau Veritas for our knowledge of retail, consumer products, and supply chains. Our ability to take these technologies and incorporate them into practical solutions gives our clients the best of the best.





BV Origin

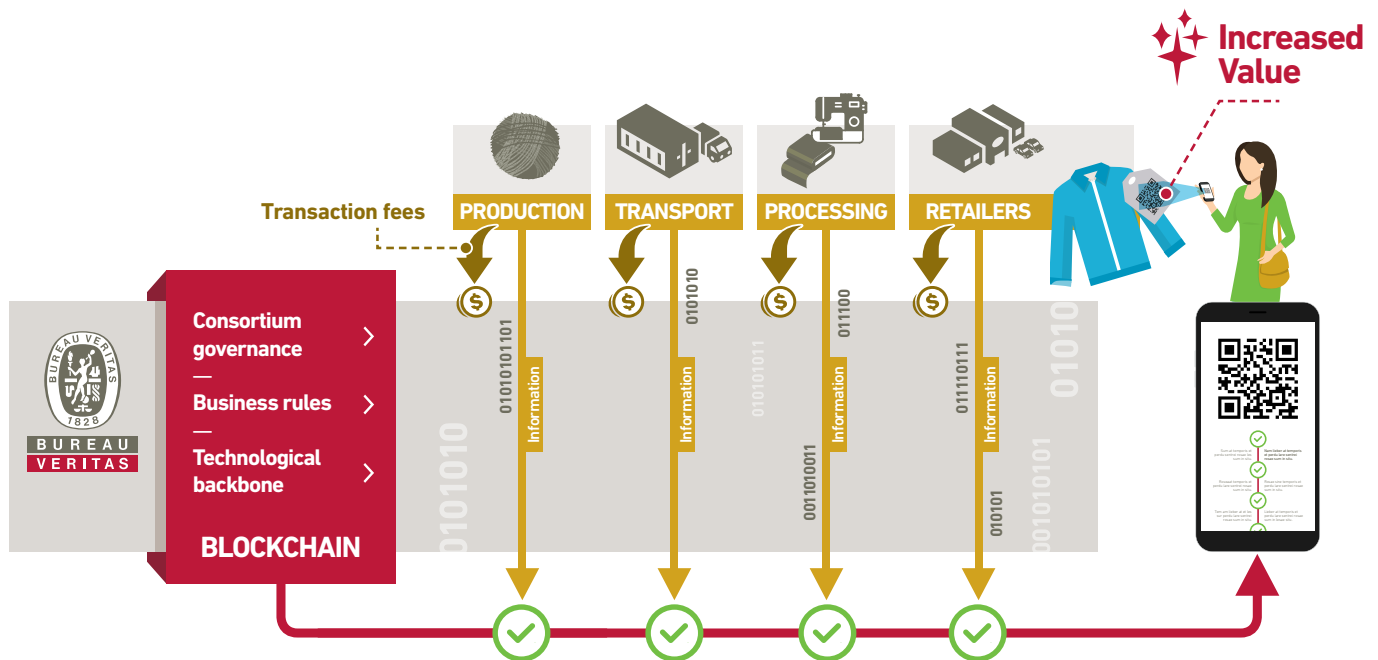
What if any of the parties could verify the conformity of any product batch at any stage, at a cost that was low enough to be absorbed by the supply chain while adding value to the final product?

This scenario is possible with blockchain, which makes every party in the supply chain an observer of every transaction.

In a cotton supply chain, for example, the apparel manufacturer or retailer would be able to see and call out any anomalies upstream, and vice versa. For a transaction to be recorded in the blockchain, consensus is required, all supply chain members must agree on its validity. For example, if the quantity of cotton marked as coming from a sustainable cotton growing area sold by a broker falls short of the quantity entered into the blockchain by a spinner, this might suggest the spinner had mixed some cheaper, unsustainably sourced cotton into the batch. In this case, the next member of the supply chain, or a third party validator could refuse to validate the transaction. Once recorded, a transaction cannot be changed: it becomes immutable. A failed test or inspection on a product at any stage of the supply chain will be automatically traced to the origin of the failure, thus exposing wrong-doers and undermining their credibility.

No matter how thorough your traceability program, failure by a party in the supply chain to comply with your requirements for one item in one order is all it takes to cause serious problems for you. Bureau Veritas has worked with one of the global leaders in transactional security, Worldline, to develop BV Origin.





Origin is based on an easy blockchain system, which is open, transparent, secured, and operates without central controlling device. With the blockchain technology, the full lifecycle of the product can be digitally replicated and shared among the different players

Data integration is easy and automatic as it relies on the existing information systems of each player of the value chain.

Origin enables continual and complete verification with shared records and validated transactions. It thus improves efficiency by eliminating duplication of reconciliation efforts and reducing the need for intermediaries.

For a blockchain to work, participants' identity must be verified to guarantee their liability. This requires a third party or consortium to handle identity verification and management. Data entry process and interfaces need verification to ensure they capture real-life situations correctly and fully. The blockchain also needs to include appropriate checks, to ensure that members cannot collude outside the blockchain to validate fraudulent transactions.

Bureau Veritas, as a recognized independent third party with expertise throughout the consumer products supply chain is a natural choice to help put in place traceability blockchain systems and devise appropriate systems of governance. As a third-party testing, inspection, and audit provider Bureau Veritas is also well placed to intervene at appropriate points and moments along the chain. This might include random product testing, quantity or quality inspections, audits of management systems or inspections of facilities.

Bureau Veritas - Your Traceability Partner

Bureau Veritas recognizes that procedures alone aren't enough, audits alone are not enough, scientific methods alone are not enough, and block chain alone isn't enough to assure traceability you can stake your business on. We will work with you to understand your risk level and use our complete set of tools to build a solution you can count on to move forward with confidence.



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Bureau Veritas Consumer Products Global Capability

With a presence in every major country around the world, our quality assurance and compliance solutions are vital in helping our customers enhance product quality and concept-to-consumer journeys.

Bureau Veritas provides a wide range of innovative solutions for companies looking to protect their brand, manage risk and save cost. We help our clients improve their regulatory compliance, the quality of their products and the efficiency of their supply chain.



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