



SourceCertain

Scientific provenance verification

Agrifood



Seafood



Minerals & Metals



Our origin verification solution is able to identify the mine, farm or fishery from which a product originated.

What can our provenance science service do for your supply chain?

- ✓ Protect brand value
- ✓ Verify product origin
- ✓ Validate traceability
- ✓ Support transparency

Why choose us?

We operate our own state-of-the-art forensic and analytical laboratory facility.

Consistent investment in R&D to improve and better our company owned IP based solutions.

Multiple methodologies combined into one cost-effective service.

Easy to understand reports with access to in-house scientific experts.

For more information contact

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TRUSTED TECHNOLOGY ACROSS AUSTRALIA AND THE WORLD FOR OVER 40 YEARS

SOURCECERTAIN.COM



Cotton

PROVENANCE SCIENCE SERVICE

Sustainable and ethical sourcing claims influence the purchasing behaviour of the contemporary consumer almost as much as price-point and brand. However, the market is becoming increasingly saturated with these claims, leaving consumers confused and sceptical over claims that are not backed by adequate proof.

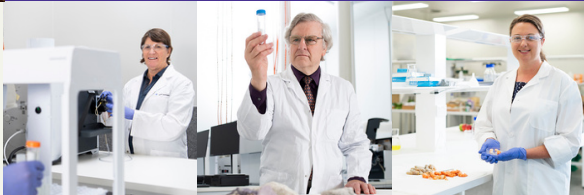
Label claims about where and how something was produced stem from the provenance or 'origin' of the product and therefore validation of the provenance is critical to supporting these claims. The complexity of textile supply chains prevents consumers and supply chain stakeholders from having a line of sight to the farm of origin, which creates opportunities for substitution, blending and unethical behaviour.

Our verification service provides scientific evidence of origin and can analyse cotton fibres, and subsequently verify their sourcing claims, at any point in the supply chain.

Source Certain's robust and trusted science offers assurance to retailers and stakeholders by adding a layer of credibility to sourcing claims that consumers can trust.

WORKING WITH THE COTTON INDUSTRY

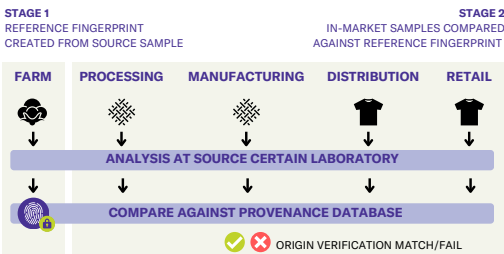
Source Certain first started using their provenance verification solution on cotton ten years ago. We have improved our methodologies and paired them with state-of-the-art instrumentation that allows us to verify provenance to a level that is hard for our competitors.



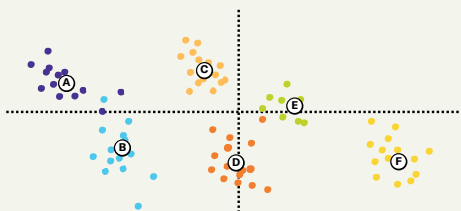
HOW DOES THE SCIENCE WORK?

Source Certain analyses the chemical composition of a sample, which is made up of trace elements, isotopes, chemicals and molecules. These markers come from the underlying geology, the soil in which plants grow and the water used, and they can differ significantly even within short distances.

Each sample and its corresponding location of origin has a unique chemical fingerprint allocated to it, which is stored in a Provenance Database. This fingerprint is used as a reference point when conducting verification of origin for samples taken from the within market.



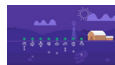
SAMPLES ORIGINATING FROM THE SAME SOURCE FORM A CLUSTER THAT COLLECTIVELY INDICATE A SINGLE SOURCE OF ORIGIN.



Graph for demonstration purposes only.



Our provenance verification solution, TSW Trace®, can distinguish between neighbouring farms, ponds and mines. Scan the QR code with your phone to watch our animation and learn more.



To find out more please contact us. Scan the QR code to download our fact sheets online.
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