

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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Infant Formula & Milk Powder

PROVENANCE SCIENCE SERVICE

Formula and milk powder supply chains have faced a spectrum of issues over the last decade. From mislabelling and misrepresentation of origin to adulteration, and in some cases, complete substitution these have a profound impact on availability, product safety, brand and industry value, and consumer trust.

The industry currently has a high reliance on external packaging measures and tracking labels to facilitate levels of anti-tampering, data collection and traceability. Source Certain's service complements these solutions by focussing on physical powder samples analysed in a laboratory environment to verify the origin of manufacturing. This adds a scientific layer of security to underpin product integrity.

Our verification service provides scientific evidence of origin back to the batch number. This is completely independent of packaging claims and tracking label data. We can sample product at any point in the supply chain to provide assurance of packaging claims and identify 'problem areas' where substitution or mislabelling has occurred.

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.

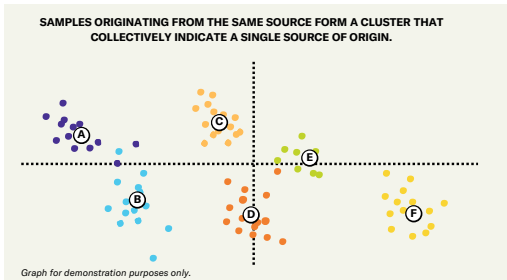
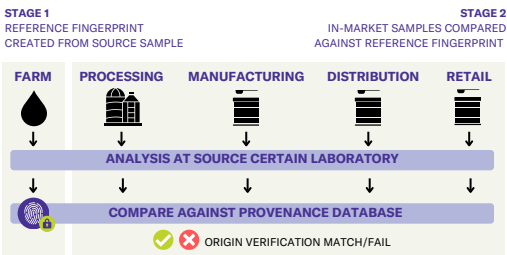
In the export market, our service offers supply chain partners reassurance that the product they are trading is sourced from where it claims to originate from.



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.



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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