



Eurofins Cotton Origin Verification Testing

Enabling compliant practices
through verification of cotton origin



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Eurofins Cotton origin testing service offers a service to the textile industry to verify the origin of cotton used in the manufacturing process through a combination of analytical techniques.



Why verify your cotton origin?

Transparency of supply chains is now an essential part of any business. Transparency enables the management and mitigation of social sensitivities and environmental impacts. In some countries supply chain verification and traceability is already a legal obligation, with more regulations forthcoming.

Consumer-led sustainability requirements are also calling for brands and retailers to verify their cotton origin marketing claims.

By verifying the origin of cotton and providing a secure, qualified supply chain, we help you in promoting transparency in the home textiles, apparel and personal hygiene products industries.

Eurofins cotton origin testing

Growing cotton plants naturally absorb chemicals from their environment through the soil, air and precipitations. The precise combination and ratio of chemical elements and their isotopes in a cotton plant is therefore affected by location, temperature, weather patterns, water source and altitude. This gives cotton plants a unique environmental chemical signature specific to the region they were grown in.

Eurofins Sustainable chemistry experts can analyse cotton environmental signatures and use them as an origin verification tool.

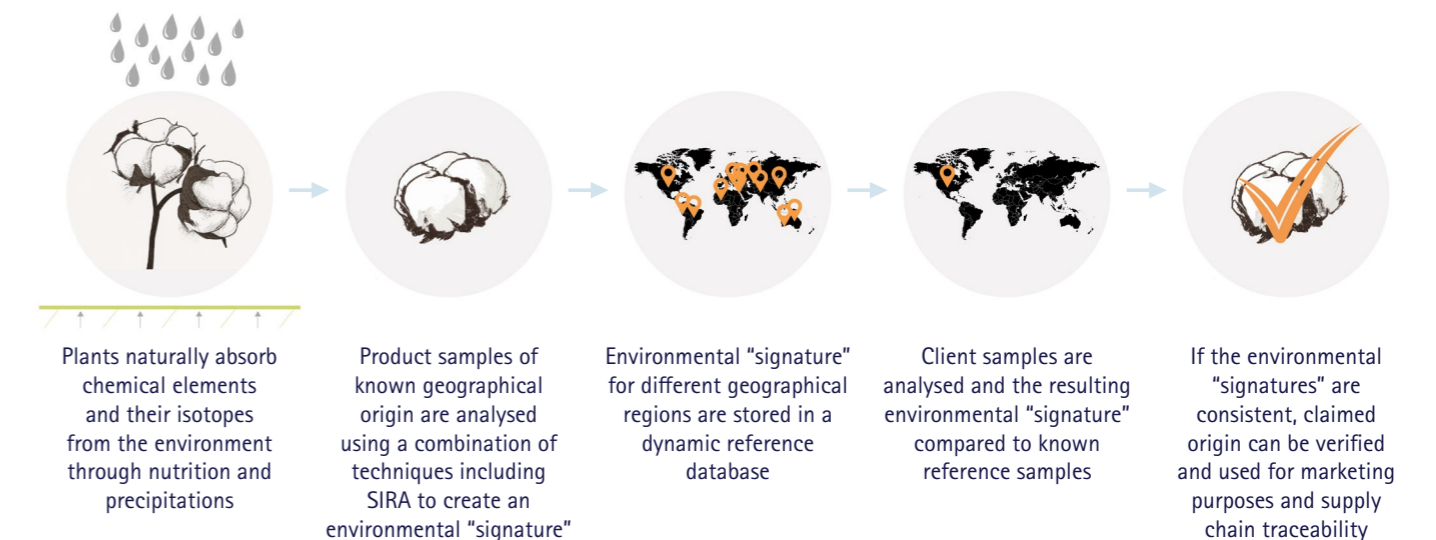
Wide scope of cotton material testing

Eurofins cotton origin testing can analyse raw, processed, blended and dyed pure cotton samples, as well as blends of cotton with synthetic materials such as polyester and acrylic.

We can verify the geographic origin of your samples down to the country and, in most cases, regional levels.

How the process works

Eurofins uses a combination of analytical techniques, including the Stable Isotope Ratio Analysis (SIRA) of oxygen, hydrogen and carbon, to form an environmental "signature" of our client's sample. The sample's environmental signature is then compared to that of cotton of known origin in our dynamic reference database. If the signatures are consistent with each other, then the product sample passes, and its claimed origin is verified.



Benefits of Eurofins sustainable cotton verification services

- Cost-effective with quick turnaround times
- Wide scope of sample types from any point in the supply chain
- Services-leading global chemistry team
- Responsive support and advice from our subject matter experts
- Complementary upstream and downstream services to verify, map and cleanse your supply chain





Related Eurofins sustainable cotton services

- Supply chain mapping service
- GMO and organic cotton testing
- Global organic textile standard (GOTS)
- Global Recycled Standard (GRS)
- Chem-ST chemical smart testing for harmful substances



Want to know more?

If you are interested in finding out more, contact us today to discuss your needs. Eurofins Sustainability Services will partner with you to ensure you receive a cost and time-efficient, effective, programme to manage your supply chain.



Why Eurofins Sustainability Services?

Eurofins Sustainability Services brings together a wide range of Eurofins' sustainability offerings in one place, connecting customers with the Eurofins company to provide solutions to their sustainability needs.

Eurofins is a global leader in analysis and testing for life with a large and growing network of state-of-the-art laboratories which provide unsurpassed levels of expertise, technological leadership, attention to quality and customer service across a range of industry sectors. Our sustainability services are delivered through a global network of laboratories supplying innovative testing solutions for all consumer product categories.

Contact us today at
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