



# Vegetable Dyed Material Verification Service

Dyeing is an important part of the textile industry, adding color to fibers, yarns and fabrics. The two main types of dye are natural and synthetic:

- Natural dyes: purely extracted from a natural source (vegetable, animal, mineral)
- Synthetic dyes: chemically created – popular due to a wider range of colors and their lasting intensity

Consumers are becoming increasingly aware of the health, safety and sustainability implications associated with the manufacture of textiles. In response, many brands are choosing to use natural biodegradable dyes that reduce the use of chemicals harmful to human health and the environment.

**Trusted means *Tested.***



Most natural dyes originate from vegetables. They are derived from various plant parts – flowers, fruits, seeds, leaves, roots, etc. For example, alizarin and purpurin are extracted from the madder root and hematoxylin and brazilin are obtained from logwood stems.

SGS has developed a vegetable dyed material verification program to answer the increasing demand from consumers for claim verification. It provides independent third-party verification for textile and footwear manufacturers operating in global sustainable fashion markets.

## SGS VEGETABLE DYED MATERIAL VERIFICATION SERVICE

SGS provides a range of services to support the identification of vegetable dyes and verification of product quality.

SGS VEGETABLE DYE SCREENING SERVICE (SGS VDS-2021)	SGS PRODUCT APPROVAL MARK
<ul style="list-style-type: none"><li>• Innovative testing method for the identification of the vegetable dyestuffs and/or vegetable dyed fabric</li><li>• Dyes and dyed textiles are analyzed using an analytical laboratory testing approach</li><li>• Testing approach based on either colorant type or their index ingredients</li></ul>	<ul style="list-style-type: none"><li>• Laboratory test for the identification of vegetable dyed material</li><li>• Document review and on-site remote assessment for manufacturing/processing</li><li>• Compliance testing against mandatory regulations</li><li>• Restricted substances list testing</li><li>• SGS Independently Checked Mark granted for compliant products</li></ul>

## SGS INDEPENDENTLY CHECKED MARK (SGS IC MARK)

Following independent identification and verification, we can provide our SGS IC Mark service. This clarifies that results have been delivered via independent testing. Products passing the agreed test parameters are then added to an online database and are allowed to carry the SGS Independently Checked Mark (including test criteria references). Details of this service can be found on our website: [SGS Independently Checked Mark](#).

## WHY CHOOSE SGS?

SGS is the world's leading testing, inspection and certification company. We are recognized as the benchmark for quality, innovation and integrity, with a global network of more than 40 state-of-the-art laboratories specializing in testing apparel, footwear, and home textiles. Our committed team of experts are drawn from multi-disciplinary backgrounds, allowing us to perform a comprehensive range of physical, chemical, and functional testing services on components, materials and finished products.

Whatever your testing, inspection or certification requirements, we have an innovative, efficient and cost-effective solution to meet your needs.

## CONTACT US



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