



INFORMATION SHEET

FIBRE TESTING PROVIDERS

ATIF provides this list of providers for information only. It is based on information collated from a variety of sources. Users of this provider list should satisfy themselves as to the type of service to be provided and that the service to be provided matches their needs. Providers are not listed in any particular order. ATIF disclaims all liability from users of this list engaging one or more providers and the outcomes that are provided.

It is a criminal offence to import timber of unknown origin that contains illegally logged fibre, whether or not it is a regulated timber product. The information that you obtain from fibre testing can be obtained as part of an investigation into the due diligence conducted prior to import.

For this reason ATIF strongly advises importers to obtain fibre testing services prior to importing the product.





Australian Timber Importers Federation

Level 1/77 Raleigh Street Essendon 3040 VIC

Phone: 03 9000 5701

Timber and Fibre Testing Providers

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A paper with a detailed explanation of timber provenance testing techniques is here: https://www.preferredbynature.org/sites/default/files/library/2017-07/Timber%20Testing%20Techniques.06.02.17.EN_.pdf

What is meant by the following terms?

DNA Testing

DNA extracted from wood can be tested to verify:

1. Species (a method known as DNA Barcoding)
2. Geographic origin (a method known as Phylogeography)
3. Stump (to confirm if a piece of wood has been cut from a specific log or stump, known as DNA Fingerprinting)

DNA is extracted and compared to a reference database, if available for the species in question. In the case of Fingerprinting, DNA from a piece of wood is compared with DNA taken from a log or stump, much like a paternity test.

Stable Isotopes

Trees absorb different levels of chemical isotopes from the air, water and soil depending on the geographic location, which makes this method suitable to verify geographic origin.

Isotope tests identify the ratio of chemicals present in the wood, which are then compared to a reference database, if available for the species in question.

Wood Anatomy

It is possible to determine the genus (and sometimes the species) of timber samples by having an expert examine the macroscopic and microscopic features of the wood structure from the three structural directions (Transverse, tangential longitudinal, and radial longitudinal sections).

These wood structural features are compared to vouchered specimens (where available), authentic specimens usually kept at various laboratories around the world including databases and wood structure descriptions from published sources.



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Type of Fibre Testing	What can be identified/how it can be used	Known providers
Wood Anatomy (conventional) – Macroscopic and Microscopic	Solid wood, wood composites, paper/pulp Identification to Genus level, sometimes species. (Information relating to claimed origin and claimed taxon identity need to be supplied).	Dr Jugo Ilic Know Your Wood knowyourwood1@gmail.com 0499 300 208 Address for samples: 19 Benambra St, Oakleigh South VIC 3167
DNA, Stable Isotopes, Wood Identification		Source Certain info@sourcecertain.com +61 8 6191 0608 PO Box 1570 Wangara DC WA 6947 Australia
DNA		University of Adelaide Provenance and ID tracing https://www.adelaide.edu.au/environment/research/provenance-id-tracing#timber-species-and-provenance-id Professor Veronica Soebarto Theme lead – Urban and Regional Landscapes Environment Institute School of Architecture and Built Environment The University of Adelaide SA 5005 Australia E: veronica.soebarto@adelaide.edu.au T: +61 8313 5695 Andy Lowe, Dr Arif Malek, Melita Low are known experts in this area.
DNA, Stable Isotopes, Wood Identification		Double Helix https://www.doublehelixtracking.com/scientific-testing 114 Lavender Street, #11-83 Singapore 338729 info@doublehelixtracking.com +65 6227 9706



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Chemical & Microscopic Analysis	Specifically focussed on fibre, pulp and paper	Test-Tech Fibre Services Ltd Registered Office, Settlers, Foundry Lane, Loosley Row. Buckinghamshire, HP27 0PA United Kingdom. Tel: +44 (0)7986 044134 Email: enquiries@test-tech.co.uk
Wood Identification		Scion Level 6 17-21 Whitmore Street Wellington Central 6011 New Zealand Phone: General Enquiries +64 7 343 5899 Director of Strategic Relationships +64 4 472 1528 enquiries@scionresearch.com Contact: Lloyd Donaldson
	Xylotron & Xylophone – applications that can provide hand held answers as to content	Forests Products Laboratory – Centre for Wood Anatomy Research One Gifford Pinchot Drive Madison, WI 53726-2398 United States (608) 231-9200 Alex Wiedenhoef acwieden@wisc.edu
		FRIM Forest Research Institute Malaysia 52109 Kepong, Selangor Darul Ehsan, Malaysia E-mail: feedback@frim.gov.my Tel: 03-6279 7000
Timber identification	Wood anatomy, DNA, Stable Isotope and MS	https://www.preferredbynature.org



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		Globally reputed provider of all services, and is a monitoring organisation for the EUDR https://www.preferredbynature.org/sites/default/files/library/2017-07/LegalSource-Timber-Testing-InfoSheet.pdf
Timber identification in Indonesia		Dr. Ratih Damayanti Director of Scientific Collection Management Deputy of Research and Innovation Infrastructure National Research and Innovation Agency The Republic of Indonesia Mobile Phone/WhatsApp +6281235326155 Phone +62 812 353 26 155 ratih.damayanti@brin.go.id ratih_turmuzi@yahoo.com rdamayanti2012@gmail.com
	IWood	China - Yafang Yin – Chinese Research Institute of the Wood Industry. yafang@caf.ac.cn
Machine Vision System developed with AI	<p>Automated Wood Identification App Xylorix Inspector Mobile app that provides automated wood identification through captured macroscopic end-grain images.</p> <p>Xylorix PocketWood Free-to-use app with over hundreds of curated information and macroscopic end-grain images of wood species from around the world for referencing use, also provides a matching feature where users can identify wood species by comparing a live captured</p>	Xylorix Agritix SDN, BHD https://www.xylorix.com phone +(60)16-7419421 agritix@agritix.com Contact: YongHaur Tay



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	end-grain image of a wood with the images in the database.	
		Global Timber Tracking Network – You can use this to find a provider in your source country