

**Technical expertise report :**

<p><b><u>Applicant :</u></b></p> <p>Boone</p>
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<p><b>N° of identification :</b> exp_395</p> <p><b>Date of receipt:</b> 28-01-2022</p> <p><b>Date of delivery :</b></p>
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**Sample ID :** massive wood block

**Sample processing :**

- Production of thin sections in transversal , tangential and radial plan.
- Staining with Safranin O and Alcian blue.

**Anatomical key features (IAWA - hardwood):**

N°	present	absent	Features
IAWA			
7	P		Vessels in diagonal and / or radial pattern
9	P		Vessels exclusively solitary (90% or more)
26	P		Medium - 7 - 10 µm
31	P		Vessel-ray pits with much reduced borders to apparently simple: pits rounded or angular
42	P		100 - 200 µm
45	P		Vessels of two distinct diameter classes, wood not ring-porous
60	P		Vascular / vasicentric tracheids present
66	P		Non-septate fibres present
69	P		Fibres thin- to thick-walled
79	P		Axial parenchyma vasicentric
92	P		Four (3-4) cells per parenchyma strand
96	P		Rays exclusively uniseriate
97	P		Ray width 1 to 3 cells
104	P		All ray cells procumbent
106	V		Body ray cells procumbent with one row of upright and / or square marginal cells

**Conclusion :**

Based on the observed anatomical characteristics, sample **Exp\_395** belongs to the family **MYRTACEAE** and the genus ***Eucalyptus***.

The description is identical to : **CFR. *Eucalyptus globulus***

