

Technical expertise report :

Applicant :
 BUREAU voor EXPERTISE &
 ARCHITECTUUR bv
 9031 DRONGEN, Abdijmolenstraat
 14 (09 236 54 34)

N° of identification : exp_392
Date of receipt : 18-10-2021
Date of delivery :

Sample ID : 20.0202/R (seconde sample)

Sample processing :

- Density measurement : 642 kg/m³ (at 12% humidity).
- Production of thin sections in transversal , tangential and radial plan.
- Staining with Safranin O and Alcian blue.

Anatomical key features (IAWA):

N°	present	absent	Features
IAWA			
22	X		Intervessel pits alternate
24	X		Minute - <= 4 µm
30	X		Vessel-ray pits with distinct borders; similar to intervessel pits in size and shape throughout the ray cell
42	X		100 - 200 µm
58	X		Gums and other deposits in heartwood vessels
65	X		Septate fibres present
69	X		Fibres thin- to thick-walled
78	X		Axial parenchyma scanty paratracheal
79	X		Axial parenchyma vasicentric
83	X		Axial parenchyma confluent
85	X		Axial parenchyma bands more than three cells wide
93	X		Eight (5-8) cells per parenchyma strand
97	X		Ray width 1 to 3 cells
98	X		Larger rays commonly 4 - to 10 seriate
106	X		Body ray cells procumbent with one row of upright and / or square marginal cells
118	X		All rays storied
122	X		Rays and / or axial elements irregularly storied
136	X		Prismatic crystals present
137	X		Prismatic crystals in upright and / or square ray cells
142	X		Prismatic crystals in chambered axial parenchyma cells

Conclusion :

D'après les caractéristiques anatomiques observées, l'échantillon analysé **Exp_392** appartient à la famille des **MELIACEAE** et au genre *Entandrophragma*.

La description est identique à : *Entandrophragma cylindricum* (SAPELLI)

