

Technical expertise report :

Applicant :
Laboratorium der Douane en
Accijnzen
Gustaaf Levisstraat 10
18000 Vilvoorde

N° of identification : exp_390
Date of receipt : 19-07-2021
Date of delivery :

Sample ID : 21M0-00008-02

Sample processing :

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

Anatomical key features (IAWA):

N° IAWA	present	absent	Features
22	X		Intervessel pits alternate
26	X		Medium - 7 - 10 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
69	X		Fibres thin- to thick-walled
79	X		Axial parenchyma vasicentric
80	X		Axial parenchyma aliform
83	X		Axial parenchyma confluent
91	X		2 cells per parenchyma strand
92	X		Four (3-4) cells per parenchyma strand
98	X		Larger rays commonly 4 - to 10 seriate
104	X		All ray cells procumbent
136	X		Prismatic crystals present
142	X		Prismatic crystals in chambered axial parenchyma cells

Conclusion :

D'après les caractéristiques anatomiques observées, l'échantillon analysé **exp_390** appartient à la famille des **LEGUMINOSAE MIMOSOIDEAE** et au genre ***Vachellia***

La description est identique à : ***Vachellia nilotica*** (Synonyme : *Acacia nilotica*)

