

Technical expertise report :

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N° of identification : exp_393
Date of receipt : 29-10-2021
Date of delivery :

Sample ID : /

Sample processing :

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

Anatomical key features (IAWA - Softwood):

N°	present	absent	Features
IAWA			
40	X		Growth ring boundaries distinct
42	X		Abrupt transition from earlywood to latewood
44	X		IT pitting (predominantly) uniseriate
45v	X		IT pitting (predominantly) two or more seriate
46	X		IT pitting opposite
79	X		Ray tracheids commonly present
81	X		Smooth ray tracheid cell walls
86	X		Distinctly pitted end walls of ray parenchyma cells
88v	X		Distinctly pitted horizontal walls of ray parenchyma cells
92	X		Piceoid
99	X		3-5 pits per cross-field
100v	X		6 or more pits per cross-field
103	X		Average ray height medium (5 to 15 cells)
107	X		Rays exclusively uniseriate
109	X		Axial canals
110	X		Radial canals
116	X		Thick-walled epithelial cells

Conclusion :

Based on the observed anatomical characteristics, sample **Exp_393** belongs to the family **PINACEAE** and the genus **Larix**.

The description is identical to : **Larix sp.** (*Larix sibirica* is excluded).

