

## SANTALUM

Vessels moderately to very small (mean tangential diameter 25-100  $\mu$ ); exclusively solitary; 20-95 per sq. mm. Perforations simple. Intervascular pitting very rare and not observed. Pits to ray cells rather rare, small and bordered; striations due to coalescent apertures among the pits to fibre tracheids sometimes present. Solid deposits and tyloses usually present and sometimes moderately abundant. Mean member length 0.2-0.3 mm.

Parenchyma apotracheal, as cells scattered among fibres. Chambered crystals, often occupying complete strands, common chambers with very thick walls, often with dark, gummy contents. Strands of 2-4 cells

Rays up to 2-4 cells wide and low, with numerous and low uniseriates (often only 1 or 2 cells high). 8-15 rays per mm. Slightly heterogeneous (Kribs Type IIB) to homogeneous (Kribs Type I).

Fibres with numerous, distinctly bordered pits on both radial and tangential walls. Walls moderately thick to thick. Mean length 0.5-1.0 mm.

Vascular tracheids moderately common, together with some cells suggesting vasicentric tracheids, being shorter and more densely pitted than the fibre tracheids.