

*Eucalyptus grandis* W. Hill ex Maiden



**Family:** Myrtaceae.

**Popular names:** Eucalipto.

**General characters:** Heartwood/sapwood distinct by color.

Heartwood rosy. Without color alteration by photo-oxidation.

Growth ring boundaries not clearly distinct, intermediate between distinct and indistinct. Wood without brightness in the longitudinal surfaces. Imperceptible smell. Moderately hard to the manual transversal cut. Grain straight. Texture medium. Figure present. In stripes caused by the growth rings (could form "V" or "U" shapes).

**Vessels/pores:** Vessels present. Visible to the naked eye. Medium diameter (from 100 to 200µm). Diffuse-porous. Medium frequency

(from 6 to 30 vessels/2mm<sup>2</sup>). Vessel groupings: predominantly solitary (more than 2/3). In diagonal pattern. Of circular to oval outline. Perforation plates observed with a 10x hand lens. Simple perforation. Vessels partially blocked. By tyloses.

**Axial parenchyma:** Not observed.

**Rays:** Observed. Only with a 10x hand lens on the transversal and tangential surfaces. Not contrasted on the radial surface. Fine (smaller than 100µm of width). Low (shorter than 1mm of height). Of very little frequency (less than 5 rays/mm).

**Storied structure:** Absent.

**Secretory structure:** Present. Formed by traumatic canals.

**Cambial variants:** Not observed.

**Physical-chemical tests:** Chrome azurol-s test negative. Fluorescence test negative. Basic specific gravity medium (0,50 - 0,72g/cm<sup>3</sup>).

**Geographical distribution:** Exotic of Brazil.

**Conservation status:** Not included in the official Brazilian flora list of endangered species. Not included in the CITES annex.

**Data about commercialization:** Not included in the list of the 100 most commercialized native species in Brazil in 2008. Not included in the list of the 100 most commercialized species in Brazil in 2009.