



*Swietenia macrophylla* King

**Family:** Meliaceae.

**Popular names:** Mogno, acaju, aguano, araputanga, mogno-de-marabá, mognoaroeira, mogno-branco, mogno-brasileiro, mogno-cinza, mogno-claro, mogno-do-rio-jurupari, mogno-escuro, mogno-peludo, mogno-rosa, mogno-vermelho.

**General characters:** Heartwood/sapwood distinct by color. Heartwood brownish. Without color alteration by photo-oxidation. Growth ring boundaries not clearly distinct, intermediate between distinct and indistinct. Wood with brightness in the longitudinal surfaces. Imperceptible smell.

Soft to the manual transversal cut. Grain straight; or irregular or interlocked. Texture medium. Figure absent.

**Vessels/pores:** Vessels present. Visible to the naked eye. Medium diameter (from 100 to 200 $\mu$ m). Diffuse-porous. Medium frequency (from 6 to 30 vessels/2mm<sup>2</sup>). Vessel groupings: similar proportions of solitary vessels and radial multiples. With less than 4 vessels. In radial pattern. Of circular to oval outline. Perforation plates observed with a 10x hand lens. Simple perforation. Vessels partially blocked. By whitish substance; or blackish substance.

**Axial parenchyma:** Observed. To the naked eye. Banded. In marginal or seemingly marginal bands.

**Rays:** Observed. Only with a 10x hand lens on the transversal and tangential surfaces. Contrasted on the radial surface. Fine (smaller than 100 $\mu$ m of width). Low (shorter than 1mm of height). Of very little frequency (less than 5 rays/mm); or of little frequency (from 5 to 10 rays/mm).

**Storied structure:** Present. Irregular. 2 tiers/axial mm.

**Secretory structure:** Not observed.

**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:** In the northern region of Brazil; or in the midwest region of Brazil.

**Phytogeographic domain:** Amazônia.

**Conservation status:** Included in the official Brazilian flora list of endangered species. Included in annex II of CITES.

**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.