



Ceiba pentandra (L.) Gaertn.

Family: Malvaceae.

Synonymies: *Bombax pentandrum* L.

Popular names: Sumaúma, árvore-da-lã, árvore-da-seda, ceiba, paina-lisa, paineira, barriguda, sumaúma-cabeluda, sumaúma-lisa, sumaúma-branca, sumaúma-da-várzea, sumaúma-de-macaco, sumaúma-rosada, sumaúma-verdadeira, sumaumeira.

General characters: Heartwood/sapwood indistinct by color. Heartwood greyish. 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. Soft to the manual transversal cut. Grain straight. Texture coarse. Figure present. Caused by the prominence of vascular lines.

Vessels/pores: Vessels present. Visible to the naked eye. Large diameter (larger than 200µm). Diffuse-porous. Low frequency (up to 5 vessels/2mm²). Vessel groupings: predominantly solitary (more than 2/3). In undefined pattern. Of circular to oval outline. Perforation plates observed with a 10x hand lens. Simple perforation. Vessels partially blocked. By tyloses.

Axial parenchyma: Observed. Only with a 10x hand lens. Apotracheal; or banded. Apotracheal diffuse-in-aggregates. In marginal or seemingly marginal bands.

Rays: Observed. By the naked eye on tangential and transversal surfaces. Contrasted on the radial surface. Medium (between 100µm and 200µm of width). High (higher than 1mm of height). Of very little frequency (less than 5 rays/mm).

Storied structure: Absent; or present. Irregular.

Secretory structure: Not observed.

Cambial variants: Not observed.

Physical-chemical tests: Chrome azurol-s test negative. Fluorescence test positive. Of yellowish color; or greenish color. Basic specific gravity low ((0,50g/cm³).

Geographical distribution: In the northern region of Brazil; or in the northeast region of Brazil.

Phytogeographic domain: Amazônia.

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

Data about commercialization: Included in the list of the 100 most commercialized native species in Brazil in 2008. Included in the list of the 100 most commercialized species in Brazil in 2009.

Other observations: Axial parenchyma, fibres, and/or vessel elements storied. High rays nonstoried.