

36180 Sandalwood, Powder

English: sandalwood
German: Sandelholz
French.: santal

Color Index No.: C.I. Natural Red 22
Species: Pterocarpus soyauxii (African Padauk or African Coralwood)
Family: Fabaceae

Customs Code No: 3203.00.10
Country of origin: Gabun

This is finely ground wood (sawdust), not a sandalwood extract. Sandalwood, along with other woods (narra, bar, cam, muninga, and coral), belongs to the group of insoluble redwoods. "Insoluble" here refers not to the wood itself, but to the resin-like constituents, only a very small percentage of which are water-soluble. In the case of sandalwood, it is Pterocarpus soyauxii, a tree of the Fabaceae family. Pterocarpus soyauxii (also African Padouk or Coralwood) is native to Africa. When freshly cut, the wood is of a light red color; only later, through oxidation processes, does a dark, brown-red to violet hue develop, which is due to the ingredient santalin. The dye is a mixture of santaline A, B and C and chemically belongs to the flavonoid group. Sandalwood contains between 15 and 20% santalin. Santalin is not or only very slightly soluble in water, as well as in some essential oils. In alcohol and acetic acid, however, the dye dissolves very well with a red color. Once the dye is dissolved, it can be diluted with water without forming a precipitate. In ether, santaline dissolves with a yellow color. In alkaline solutions, the hue changes to violet. To dye textiles, one prepares an alcoholic extract of sandalwood. Depending on the type of stain, dark red tones (tin salts), orange to scarlet tones (aluminum salts) or violet tones (iron salts) can be obtained. Santalin lacquers are produced with the help of caustic soda extracts, from which lacquers of various shades are precipitated with different salts: Alum: dark brown to purple, fiery Magnesium sulfate: brown-violet, dark Zinc sulfate: violet-brown Lead acetate: red-violet, very color intensive Copper sulfate: deep violet-brown If the varnishes are precipitated onto white substrates, e.g. gypsum, pink tones can also be obtained.