

CEDRO

SPECIES IDENTIFICATION

SCIENTIFIC NAME	<i>Cedrela odorata</i> L.
FAMILY	MELIACEAE
COMMERCIAL NAME	Cedro, Spanish – Cedar
OTHER NAMES	Cedro-rosa (Brazil), Cedro bitter, Culche (Mexico)
DISTRIBUTION AREA	Humid tropical and subtropical forests. Departments of Santa Cruz, Cochabamba, Beni, La Paz, Pando, Tarija and Chuquisaca
REGION AND FREQUENCY	Frequent in Guarayos and other regions

TREE DESCRIPTION

TREETOP	Wide, round and leafy. Composite alternate leaves
TRUNK	Straight, rather cylindrical, commercial heights up to 40 m
BARK	Corrugated, dark brown color, with reddish grooves, aromatic, astringent

GENERAL CHARACTERISTICS

SAPWOOD COLOR	Yellowish	HEARTHWOOD COLOR	Ligth brown
ODOR	Fuerte Peculiar	TASTE	Astringente
LUSTER	Brigth	GRAIN	Straight
STRIPED	Tenuous	TEXTURE	Fine

ANATOMIC DESCRIPTION

ANNUAL GROWTH RINGS

Visibility	Visible at sight	Average Number	
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PORES

Visibility	Visible at sight	Porosity	Semicircular
Type	Solitaries and radial multiples	Shape	Round

PARENCHYMA

Visibility	Visible at sight	Quantity	Scarce
Type	With centric vessels		

RADIUS

Visibility	Visible at sight	Contrast	Present
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Stratification	Absent
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PHYSICAL PROPERTIES

MOISTURE CONTENT (GREEN LUMBER)	82 %
BASIC DENSITY	0,38 g/cm ³
DENSITY (12% MOISTURE CONTENT)	0,5 g/cm ³
RADIAL SHRINKAGE	5,4 %
TANGENTIAL SHRINKAGE	8,6 %
VOLUMETRIC SHRINKAGE	14,7 %
RATE T/R	1,6

MECHANICAL RESISTANCE

MODULUS OF ELASTICITY	74 1000 Kg/cm ²
MODULUS OF RUPTURE	511 Kg/cm ²
COMPRESSION PARALELL TO GRAIN	400 Kg/cm ²
QUARTEREDSAWED	57 Kg/cm ²
LATERAL HARDNESS	697 Kg
IMPACT BENDING	0,84 Kg-m

TECHNNICAL CONDITIONS FOR PROCESSING

MACHINING	Easy machining. Good finishing.
PRESERVATION	Rather permeable
NATURAL DURABILITY	Low durability. . It needs preservarion treatment
DRYING	Kiln drying rather fast. A moderate kiln schedule is recommended.

END USES

Construction	Decorative Veneer
Doors	Furniture
Windows	Doors and window frames

Source: MDSP, FAO PAF-BOL, IBAMA, LPF “[Información Técnica para el Procesamiento Industrial de 134 especies maderables de Bolivia](#)”. Serie Técnica XI. 2002. (Translated by Fernando Aguilar . Marketing - CADEFOR)