

84. <i>Qualea albiflora</i> Warm.	- eigrongronfolo
84a. <i>Qualea rosea</i> Aublet	- bergigronfolo
84b. <i>Qualea coerulea</i> Aublet	- lagigrongronfolo
84c. <i>Qualea dinizii</i> Ducke	- gujabakwari

Synonym (84) : *Ruizterania albiflora* (Warm.) M.Berti

Family : Vochysiaceae

Vernacular names

Suriname	: Gronfulu / Gronfolo / Meniridan / Hoogland gronfolo
Guyana	: Yakopi / Manau / Muneridan
French Guiana	: Grignon fou / Kouali / Gonfolo gris / Gonfolo rose
Brazil	: Mandio / Mandioqueira / Quaruba
Colombia	: Gomo / Soroga
Peru	: Quillo / Quillosisa
Venezuela	: Florecillo / Saladillo

International trade name : Mandio, Quaruba

Occurrence : Suriname, Guianas, Brazil, Tropical South America

Tree description

Bole length	: bole 20 – 25 m; tree height 30 – 60 m
Diameter	: 0.60 – 1.00 m
Log shape	: straight bole, light to heavily buttressed trees

Wood description

Sapwood	: yellowish, gray to cream coloured (<i>Q. albiflora</i>); pale yellowish to light brown (<i>Q. rosea</i>)
Heartwood	: gray to light red brown (<i>Q. albiflora</i>); pink to red brown, occasionally olive brown (<i>Q. rosea</i>)
Grain	: often slightly to moderately interlocked
Texture	: medium to decidedly coarse

Technological characteristics

Physical properties (84, 84a)

	<i>Q. albiflora</i>	<i>Q. rosea</i>
Green density	(g/cm ³): 0.96	1.26
Air dry density at 12% MC	(g/cm ³): 0.65	0.63
Tot. tangential shrinkage	(%) : 4.3	7.9
Tot. radial shrinkage	(%) : 2.3	4.6
Tot. volumetric shrinkage	(%) : 7.1	12.3

Mechanical properties (84, 84a)

	<i>Q. albiflora</i>	<i>Q. rosea</i>
Bending strength at 12% MC	(N/mm ²): 70	67
Modulus of elasticity (MOE) at 12% MC	(N/mm ²): 13514	15171
Crushing strength at 12% MC	(N/mm ²): 60	52

Processing

Sawing	: moderately difficult to saw, particularly when roey grain is present; small silica quantities; blunting effect: rather quickly
Drying	: moderately difficult to air-season and kiln drying, some warping and slight checking; British schedule – D
Machining	: moderately difficult to work
Gluing	: satisfactory
Nailing	: good
Finishing	: good
Veneering	: peels well

Natural durability

Decay fungi	: moderate
Termites	: poor
Marine borers	: poor

Treatability (heartwood) : rather well

End uses : interior and exterior joinery, millwork, flooring, furniture, veneer and plywood.



Log shape

Bergigronfolo - *Qualea rosea* Aublet