

99. *Tetragastris altissima* (Aublet) Swart - redisali
99a. *Tetragastris panamensis (Engl.) Kuntze**

Family : Burseraceae

Vernacular names

Suriname : Sali / Rode sali
 Guyana : Haiawaballi / Asau / Kamaragwa
 French Guiana : Encens rose / Gommier
 Brazil : Almesclao / Breu manga
 Colombia : Palo de cerdo / Aguarrás

International trade name : Massa, Sali

Occurrence : Suriname, Guianas, Brazil, Colombia, Central America

Tree description

Bole lenght : bole 10 - 15 m; tree height 25 - 30 m
 Diameter : 0.50 - 0.80 m
 Log shape : moderately good form with a few buttresses or rootspurs

Wood description

Sapwood : distinct, yellowish brown to pinkish gray
 Heartwood : orange brown to red brown
 Grain : moderately straight, sometimes interlocked or irregular
 Texture : rather fine

Technological characteristics

Physical properties (99, 99a)

		<i>T. altissima</i>	<i>T. panamensis</i>
Green density	(g/cm ³):	1.10	0.98
Air dry density at 12% MC	(g/cm ³):	0.85	0.93
Tot. tangential shrinkage	(%) :	7.1	9.4
Tot. radial shrinkage	(%) :	4.4	5.7
Tot. volumetric shrinkage	(%) :	13.6	14.9

Mechanical properties (99, 99a)

		<i>T. altissima</i>	<i>T. panamensis</i>
Bending strenght at 12% MC	(N/mm ²):	139	178
Modulus of elasticity at 12% MC	(N/mm ²):	13500	18130
Crushing strenght at 12% MC	(N/mm ²):	66	91

* occasional in heigh dryland forest.

Processing

Sawing	: difficult; blunting effect: moderate to high due to silica content
Drying	: moderately difficult; slow drying, risk of checking and splitting
Machining	: more or less difficult; special tools recommended
Gluing	: good
Nailing	: poor, pre-boring recommended
Finishing	: good

Natural durability

Decay fungi	: good
Termites	: moderate
Marine borers	: fair

Treatability (heartwood) : poor

End uses : interior and exterior joinery, flooring, panelling, stairs, furniture, cabinets.



Log shape

Redisali - *Tetragastris altissima* (Aublet) Swart