

Accession No. 206

IC No.: 410865

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Baijnathpur, Sarguja,
Chhattisgarh

Date of plantation: June-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	63.947
2	Bark Nature	Rough	26	MRC (%)	61.8
3	Bark Colour	DarkBrown	27	Stomata /mm ²	529.803
4	Phyllotaxy	Opposite	28	Stomata length (μm)	23.3
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.533
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	15.127
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.097
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	12.6
9	Young Leaf Colour	Moderate Copper Red	33	Upper epidermis thickness (μm)	18.943
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	101.2
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	113.823
12	Young Leaf Pubescence	Glabrous	36	Lower epidermis thickness (μm)	12.627
13	Number of Glands	2	37	No. of chloroplasts	11
14	Position of Glands	Alternate	38	Total thickness(μm)	259.193
15	Leaf Length (cm)	15.073	39	Palisade: Parenchyma	0.889
16	Leaf Width (cm)	4.533	40	Chlorophyll a (mg/g)	1.22
17	Petiole Length (cm)	0.7	41	Chlorophyll b (mg/g)	0.849
18	Leaf Length: petiole length	21.533	42	Chlorophyll a/b	1.44
19	Leaf Weight	3.34	43	total Chlorophyll (mg/g)	2.097
20	Petiole Weight	0.061	44	Phenol (μg/mg)	1.727
21	Leaf weight: Petiole Weight	55.607	45	Reducing sugar (μg/mg)	3.343
22	Lamina weight (gm)	3.279	46	Non-reducing sugar (μg/mg)	8.283
23	Laminar Index (%)	98.161	47	Proline (μg/g)	20.103
24	Internodal Distance(cm)	2.123	48	Protein (mg/g)	16.09