

Accession No. 710

IC no: 410803

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Anandban, Chandrapur,
Maharashtra

Date of plantation: July-2004



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	64.7
2	Bark Nature	Rough	26	MRC (%)	61.91
3	Bark Colour	Grey	27	Stomata /mm ²	248.333
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.167
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.333
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.843
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.027
8	Leaf Margin	Serrate	32	Cuticle thickness(μm)	16.127
9	Young Leaf Colour	Moderate Copper Red	33	Upper epidermis thickness (μm)	16.12
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	120.73
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	197.243
12	Young Leaf Pubescence	Glabrous	36	Lower epidermis thickness (μm)	20.12
13	Number of Glands	2	37	No. of chloroplasts	11
14	Position of Glands	Opposite	38	Total thickness(μm)	418.57
15	Leaf Length (cm)	13.717	39	Palisade: Parenchyma	0.643
16	Leaf Width (cm)	5.033	40	Chlorophyll a (mg/g)	1.057
17	Petiole Length (cm)	0.4	41	Chlorophyll b (mg/g)	0.582
18	Leaf Length: petiole length	34.292	42	Chlorophyll a/b	1.816
19	Leaf Weight	4.263	43	total Chlorophyll (mg/g)	1.633
20	Petiole Weight	0.046	44	Phenol (μg/mg)	2.947
21	Leaf weight: Petiole Weight	92.228	45	Reducing sugar (μg/mg)	7.033
22	Lamina weight (gm)	4.217	46	Non-reducing sugar (μg/mg)	5.583
23	Laminar Index (%)	98.914	47	Proline (μg/g)	59.667
24	Internodal Distance(cm)	1.543	48	Protein (mg/g)	23.453