

Accession No. 735

IC No.: 560424

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Boregaon, Bhandar,
Maharashtra

Date of plantation: July-2004



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	64.253
2	Bark Nature	Rough	26	MRC (%)	62.347
3	Bark Colour	Dark Brown	27	Stomata /mm ²	315.023
4	Phyllotaxy	Opposite	28	Stomata length (μm)	24.2
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	14.467
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	13.393
7	Leaf Apex	Acute	31	Stomata pore width (μm)	6.733
8	Leaf Margin	Entire	32	Cuticle thickness(μm)	14.523
9	Young Leaf Colour	Light Green	33	Upper epidermis thickness (μm)	17.723
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	144.9
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	169.077
12	Young Leaf Pubescence	Sparse	36	Lower epidermis thickness (μm)	16.1
13	Number of Glands	2	37	No. of chloroplasts	9
14	Position of Glands	Opposite	38	Total thickness(μm)	339.72
15	Leaf Length (cm)	14.533	39	Palisade: Parenchyma	0.8
16	Leaf Width (cm)	14.067	40	Chlorophyll a (mg/g)	1.282
17	Petiole Length (cm)	0.45	41	Chlorophyll b (mg/g)	1.074
18	Leaf Length: petiole length	32.296	42	Chlorophyll a/b	1.195
19	Leaf Weight	3.77	43	total Chlorophyll (mg/g)	2.38
20	Petiole Weight	0.013	44	Phenol (μg/mg)	1.853
21	Leaf weight: Petiole Weight	302.207	45	Reducing sugar (μg/mg)	5.033
22	Lamina weight (gm)	3.757	46	Non-reducing sugar (μg/mg)	6.083
23	Laminar Index (%)	99.665	47	Proline (μg/g)	69.35
24	Internodal Distance(cm)	1.74	48	Protein (mg/g)	23.517