

Accession No. 307

IC No.: 326385

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Medki,Chandrapur(MH)

Date of plantation: July-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	68.383
2	Bark Nature	Rough	26	MRC (%)	67.15
3	Bark Colour	Brown	27	Stomata /mm ²	589.237
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.09
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	17.697
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	15.283
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.667
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	3.137
9	Young Leaf Colour	Moderate Copper Red	33	Upper epidermis thickness (μm)	31.983
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	126.733
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	113.603
12	Young Leaf Pubescence	Glabrous	36	Lower epidermis thickness (μm)	6.483
13	Number of Glands	2	37	No. of chloroplasts	8.333
14	Position of Glands	Alternate	38	Total thickness(μm)	310.453
15	Leaf Length (cm)	12.167	39	Palisade: Parenchyma	1.201
16	Leaf Width (cm)	6.5	40	Chlorophyll a (mg/g)	1.133
17	Petiole Length (cm)	0.403	41	Chlorophyll b (mg/g)	0.87
18	Leaf Length: petiole length	30.165	42	Chlorophyll a/b	1.318
19	Leaf Weight	2.213	43	total Chlorophyll (mg/g)	2.11
20	Petiole Weight	0.067	44	Phenol (μg/mg)	2.117
21	Leaf weight: Petiole Weight	33.21	45	Reducing sugar (μg/mg)	8
22	Lamina weight (gm)	2.147	46	Non-reducing sugar (μg/mg)	8.4
23	Laminar Index (%)	96.989	47	Proline (μg/g)	69.667
24	Internodal Distance(cm)	2.263	48	Protein (mg/g)	22.833