

Accession No. 102

IC No.: 326382

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Patanvada, Gadchiroli,
Maharashtra

Date of plantation: July-Aug 2001



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	66.4
2	Bark Nature	Rough	26	MRC (%)	65.3
3	Bark Colour	Grey	27	Stomata /mm ²	301.7
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.6
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.3
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	14.0
7	Leaf Apex	Obtuse	31	Stomata pore width (μm)	4.5
8	Leaf Margin	Sinuate	32	Cuticle thickness(μm)	12.6
9	Young Leaf Colour	Dark copper Red	33	Upper epidermis thickness (μm)	25.3
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	113.6
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	101.2
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	25.3
13	Number of Glands	2	37	No. of chloroplasts	10.3
14	Position of Glands	Alternate	38	Total thickness(μm)	278.0
15	Leaf Length (cm)	13.5	39	Palisade: Parenchyma	1.1
16	Leaf Width (cm)	4.6	40	Chlorophyll a (mg/g)	0.8
17	Petiole Length (cm)	0.7	41	Chlorophyll b (mg/g)	0.7
18	Leaf Length: petiole length	18.8	42	Chlorophyll a/b	1.1
19	Leaf Weight	3.6	43	total Chlorophyll (mg/g)	1.5
20	Petiole Weight	0.1	44	Phenol (μg/mg)	0.5
21	Leaf weight: Petiole Weight	71.2	45	Reducing sugar (μg/mg)	6.6
22	Lamina weight (gm)	3.6	46	Non-reducing sugar (μg/mg)	14.8
23	Laminar Index (%)	98.6	47	Proline (μg/g)	22.8
24	Internodal Distance(cm)	2.2	48	Protein (mg/g)	30.3