

Accession No. 124

IC No.: 560418

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Sonegaon, Bhandara,
Maharashtra

Date of plantation: July-Aug 2001



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	64.677
2	Bark Nature	Rough	26	MRC (%)	61.657
3	Bark Colour	DarkBrown	27	Stomata /mm ²	222.48
4	Phyllotaxy	Opposite	28	Stomata length (μm)	24.533
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	13.033
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	16.28
7	Leaf Apex	Obtuse	31	Stomata pore width (μm)	3.98
8	Leaf Margin	Crenate	32	Cuticle thickness(μm)	15.143
9	Young Leaf Colour	Light Green	33	Upper epidermis thickness (μm)	18.937
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	151.783
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	164.447
12	Young Leaf Pubescence	Glabrous	36	Lower epidermis thickness (μm)	12.64
13	Number of Glands	2	37	No. of chloroplasts	8
14	Position of Glands	Alternate	38	Total thickness(μm)	362.95
15	Leaf Length (cm)	11.333	39	Palisade: Parenchyma	0.923
16	Leaf Width (cm)	4.9	40	Chlorophyll a (mg/g)	0.973
17	Petiole Length (cm)	0.45	41	Chlorophyll b (mg/g)	0.766
18	Leaf Length: petiole length	25.185	42	Chlorophyll a/b	1.274
19	Leaf Weight	3.45	43	total Chlorophyll (mg/g)	1.752
20	Petiole Weight	0.087	44	Phenol (μg/mg)	1.187
21	Leaf weight: Petiole Weight	39.556	45	Reducing sugar (μg/mg)	3.083
22	Lamina weight (gm)	3.363	46	Non-reducing sugar (μg/mg)	10.263
23	Laminar Index (%)	97.467	47	Proline (μg/g)	41.15
24	Internodal Distance(cm)	1.78	48	Protein (mg/g)	