

Accession No. 118

IC No.: NA

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Dhamatari, Dhamatari,
UttarPradesh

Date of plantation: July-Aug 2001



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.527
2	Bark Nature	Rough	26	MRC (%)	66.45
3	Bark Colour	Grey	27	Stomata /mm ²	263.683
4	Phyllotaxy	Opposite	28	Stomata length (μm)	23.167
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	14.967
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	16.303
7	Leaf Apex	Mucronate	31	Stomata pore width (μm)	5.853
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	14.437
9	Young Leaf Colour	Green	33	Upper epidermis thickness (μm)	16.12
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	128.827
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	177.103
12	Young Leaf Pubescence	Sparse	36	Lower epidermis thickness (μm)	16.117
13	Number of Glands	2	37	No. of chloroplasts	8
14	Position of Glands	Alternate	38	Total thickness(μm)	352.603
15	Leaf Length (cm)	13.467	39	Palisade: Parenchyma	0.727
16	Leaf Width (cm)	5.133	40	Chlorophyll a (mg/g)	1.137
17	Petiole Length (cm)	0.8	41	Chlorophyll b (mg/g)	0.857
18	Leaf Length: petiole length	16.833	42	Chlorophyll a/b	1.328
19	Leaf Weight	5.09	43	total Chlorophyll (mg/g)	1.997
20	Petiole Weight	0.08	44	Phenol (μg/mg)	1.343
21	Leaf weight: Petiole Weight	63.644	45	Reducing sugar (μg/mg)	4.383
22	Lamina weight (gm)	5.01	46	Non-reducing sugar (μg/mg)	9.393
23	Laminar Index (%)	98.428	47	Proline (μg/g)	44.643
24	Internodal Distance(cm)	2.09	48	Protein (mg/g)	22.45