

Accession No. 624

IC No.: 382334

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Harrawala, Dehradun,UK

Date of plantation: July-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	65.82
2	Bark Nature	Rough	26	MRC (%)	64.323
3	Bark Colour	Grey	27	Stomata /mm ²	515.233
4	Phyllotaxy	Opposite	28	Stomata length (μm)	23.567
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.533
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.49
7	Leaf Apex	Acute	31	Stomata pore width (μm)	6.113
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	16.077
9	Young Leaf Colour	Dark Copper Red	33	Upper epidermis thickness (μm)	21.73
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	185.17
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	185.153
12	Young Leaf Pubescence	Sparse	36	Lower epidermis thickness (μm)	32.2
13	Number of Glands	2	37	No. of chloroplasts	7.667
14	Position of Glands	Alternate	38	Total thickness(μm)	440.33
15	Leaf Length (cm)	15	39	Palisade: Parenchyma	1
16	Leaf Width (cm)	6.067	40	Chlorophyll a (mg/g)	0.824
17	Petiole Length (cm)	0.433	41	Chlorophyll b (mg/g)	0.461
18	Leaf Length: petiole length	34.615	42	Chlorophyll a/b	1.799
19	Leaf Weight	4.52	43	total Chlorophyll (mg/g)	1.315
20	Petiole Weight	0.06	44	Phenol (μg/mg)	4.217
21	Leaf weight: Petiole Weight	75.135	45	Reducing sugar (μg/mg)	7.317
22	Lamina weight (gm)	4.46	46	Non-reducing sugar (μg/mg)	11.183
23	Laminar Index (%)	98.665	47	Proline (μg/g)	50.63
24	Internodal Distance(cm)	2.323	48	Protein (mg/g)	13.2