

Accession No. 701

IC No.: 410794

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Pahela, Bhandara (Maharashtra)

Date of plantation: July-2004



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	68.537
2	Bark Nature	Rough	26	MRC (%)	65.57
3	Bark Colour	Grey	27	Stomata /mm ²	348.177
4	Phyllotaxy	Opposite	28	Stomata length (μm)	28.037
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.953
6	Leaf Shape	Elliptical	30	Stomata pore length (μm)	17.667
7	Leaf Apex	Obtuse	31	Stomata pore width (μm)	4.983
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	16.077
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	16.077
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	96.573
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	193.173
12	Young Leaf Pubescence	Glabrous	36	Lower epidermis thickness (μm)	16.203
13	Number of Glands	3	37	No. of chloroplasts	10
14	Position of Glands	Alternate	38	Total thickness(μm)	285.47
15	Leaf Length (cm)	12.857	39	Palisade: Parenchyma	1.142
16	Leaf Width (cm)	4.023	40	Chlorophyll a (mg/g)	1.507
17	Petiole Length (cm)	0.32	41	Chlorophyll b (mg/g)	1.03
18	Leaf Length: petiole length	40.177	42	Chlorophyll a/b	1.466
19	Leaf Weight	5.753	43	total Chlorophyll (mg/g)	2.593
20	Petiole Weight	0.076	44	Phenol (μg/mg)	2.577
21	Leaf weight: Petiole Weight	76.144	45	Reducing sugar (μg/mg)	7.9
22	Lamina weight (gm)	5.678	46	Non-reducing sugar (μg/mg)	5.6
23	Laminar Index (%)	98.684	47	Proline (μg/g)	20.5
24	Internodal Distance(cm)	2.907	48	Protein (mg/g)	21.033