

Accession No. 703

IC No.: 410797

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Arjunimod, Gondia, Maharashtra

Date of plantation: July-2004



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.077
2	Bark Nature	Smooth	26	MRC (%)	64.573
3	Bark Colour	Brown	27	Stomata /mm ²	297.853
4	Phyllotaxy	Opposite	28	Stomata length (μm)	22.833
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	14.667
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.487
7	Leaf Apex	Acute	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	Green	35	Parenchyma thickness (μm)	193.173
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	18.533
13	Number of Glands	2	37	No. of chloroplasts	10
14	Position of Glands	Alternate	38	Total thickness(μm)	427.507
15	Leaf Length (cm)	17.617	39	Palisade: Parenchyma	0.533
16	Leaf Width (cm)	6.4	40	Chlorophyll a (mg/g)	0.841
17	Petiole Length (cm)	0.6	41	Chlorophyll b (mg/g)	0.491
18	Leaf Length: petiole length	29.361	42	Chlorophyll a/b	1.713
19	Leaf Weight	2.903	43	total Chlorophyll (mg/g)	1.362
20	Petiole Weight	0.029	44	Phenol (μg/mg)	4.243
21	Leaf weight: Petiole Weight	101.501	45	Reducing sugar (μg/mg)	7.32
22	Lamina weight (gm)	2.875	46	Non-reducing sugar (μg/mg)	11.15
23	Laminar Index (%)	99.013	47	Proline (μg/g)	50.517
24	Internodal Distance(cm)	2.68	48	Protein (mg/g)	13.25