

Accession No. 508

IC No.: 410783

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Manika, Latehar, Jharkhand

Date of plantation: June-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.433
2	Bark Nature	Rough	26	MRC (%)	65.123
3	Bark Colour	Grey	27	Stomata /mm ²	625.073
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	14.29
6	Leaf Shape	Lanceolate	30	Stomata pore length (μm)	18.09
7	Leaf Apex	Acute	31	Stomata pore width (μm)	6.627
8	Leaf Margin	Entire	32	Cuticle thickness(μm)	24.517
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	20.183
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	169.22
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	241.69
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	20.227
13	Number of Glands	2	37	No. of chloroplasts	10.666
14	Position of Glands	Opposite	38	Total thickness(μm)	475.837
15	Leaf Length (cm)	13.733	39	Palisade: Parenchyma	0.7
16	Leaf Width (cm)	4.7	40	Chlorophyll a (mg/g)	0.833
17	Petiole Length (cm)	0.393	41	Chlorophyll b (mg/g)	0.757
18	Leaf Length: petiole length	34.915	42	Chlorophyll a/b	1.108
19	Leaf Weight	2.937	43	total Chlorophyll (mg/g)	2.593
20	Petiole Weight	0.034	44	Phenol (μg/mg)	2.577
21	Leaf weight: Petiole Weight	87.68	45	Reducing sugar (μg/mg)	7.9
22	Lamina weight (gm)	2.903	46	Non-reducing sugar (μg/mg)	5.6
23	Laminar Index (%)	98.855	47	Proline (μg/g)	20.5
24	Internodal Distance(cm)	2.327	48	Protein (mg/g)	21.033