

Accession No. 112

IC No.: 326388

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Laxmidevipeth, Chandrapur,

Maharashtra

Date of plantation: July-Aug 2001



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	69.333
2	Bark Nature	Smooth	26	MRC (%)	68.687
3	Bark Colour	Light Grey	27	Stomata /mm ²	361.727
4	Phyllotaxy	Opposite	28	Stomata length (μm)	25.433
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	14.467
6	Leaf Shape	Lanceolate	30	Stomata pore length (μm)	17.527
7	Leaf Apex	Acute	31	Stomata pore width (μm)	6.18
8	Leaf Margin	Repend	32	Cuticle thickness(μm)	12.107
9	Young Leaf Colour	Dark copper Red	33	Upper epidermis thickness (μm)	14.53
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	144.86
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	144.87
12	Young Leaf Pubescence	Sparse	36	Lower epidermis thickness (μm)	24.127
13	Number of Glands	2	37	No. of chloroplasts	8.333
14	Position of Glands	Opposite	38	Total thickness(μm)	340.493
15	Leaf Length (cm)	11.133	39	Palisade: Parenchyma	1
16	Leaf Width (cm)	4.867	40	Chlorophyll a (mg/g)	0.707
17	Petiole Length (cm)	0.433	41	Chlorophyll b (mg/g)	0.643
18	Leaf Length: petiole length	25.692	42	Chlorophyll a/b	1.099
19	Leaf Weight	3.693	43	total Chlorophyll (mg/g)	3.497
20	Petiole Weight	0.104	44	Phenol (μg/mg)	0.608
21	Leaf weight: Petiole Weight	35.541	45	Reducing sugar (μg/mg)	9.167
22	Lamina weight (gm)	3.589	46	Non-reducing sugar (μg/mg)	7.557
23	Laminar Index (%)	97.184	47	Proline (μg/g)	54.663
24	Internodal Distance(cm)	1.817	48	Protein (mg/g)	18.66