

Accession No. 436

IC No.: 382300

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Edupayalu, Medak(AP)

Date of plantation: Aug-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.067
2	Bark Nature	Smooth	26	MRC (%)	65.29
3	Bark Colour	Light Brown	27	Stomata /mm ²	374.643
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.3
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	16.087
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.47
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	21.673
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	20.127
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	177.133
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	209.273
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	28.17
13	Number of Glands	2	37	No. of chloroplasts	8
14	Position of Glands	Alternate	38	Total thickness(μm)	456.377
15	Leaf Length (cm)	17.337	39	Palisade: Parenchyma	0.846
16	Leaf Width (cm)	5.533	40	Chlorophyll a (mg/g)	0.747
17	Petiole Length (cm)	0.567	41	Chlorophyll b (mg/g)	0.63
18	Leaf Length: petiole length	30.594	42	Chlorophyll a/b	1.186
19	Leaf Weight	6.853	43	total Chlorophyll (mg/g)	1.388
20	Petiole Weight	0.071	44	Phenol (μg/mg)	1.44
21	Leaf weight: Petiole Weight	96.156	45	Reducing sugar (μg/mg)	7.917
22	Lamina weight (gm)	6.782	46	Non-reducing sugar (μg/mg)	9.15
23	Laminar Index (%)	98.959	47	Proline (μg/g)	57.84
24	Internodal Distance(cm)	1.833	48	Protein (mg/g)	21.063