

Accession No. 404

IC No.: 410760

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Jawahar Forest, Warangal, AP.

Year of Planting: August-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	75.11
2	Bark Nature	Rough	26	MRC (%)	73.823
3	Bark Colour	Dark Grey	27	Stomata /mm ²	380.1
4	Phyllotaxy	Opposite	28	Stomata length (μm)	23.883
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.5
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.007
7	Leaf Apex	Acute	31	Stomata pore width (μm)	6.827
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	16.247
9	Young Leaf Colour	Moderate Copper Red	33	Upper epidermis thickness (μm)	16.17
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	90.647
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	178.43
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.197
13	Number of Glands	2	37	No. of chloroplasts	9
14	Position of Glands	Alternate	38	Total thickness(μm)	317.69
15	Leaf Length (cm)	17.767	39	Palisade: Parenchyma	0.508
16	Leaf Width (cm)	7.15	40	Chlorophyll a (mg/g)	0.763
17	Petiole Length (cm)	0.483	41	Chlorophyll b (mg/g)	0.686
18	Leaf Length: petiole length	36.759	42	Chlorophyll a/b	1.116
19	Leaf Weight	4.577	43	total Chlorophyll (mg/g)	1.497
20	Petiole Weight	0.107	44	Phenol (μg/mg)	0.737
21	Leaf weight: Petiole Weight	42.667	45	Reducing sugar (μg/mg)	9.657
22	Lamina weight (gm)	4.469	46	Non-reducing sugar (μg/mg)	9.48
23	Laminar Index (%)	97.654	47	Proline (μg/g)	51.13
24	Internodal Distance(cm)	2.08	48	Protein (mg/g)	29.713