

Accession No. 532

IC No.:

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Narayanpur, Medak, Andhra Pradesh

Year of Planting: June-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	64.767
2	Bark Nature	Rough	26	MRC (%)	68.37
3	Bark Colour	Grey	27	Stomata /mm ²	357.09
4	Phyllotaxy	Opposite	28	Stomata length (μm)	23.783
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	13.317
6	Leaf Shape	Elliptical	30	Stomata pore length (μm)	16.503
7	Leaf Apex	Mucronate	31	Stomata pore width (μm)	6.587
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	20.203
9	Young Leaf Colour	Moderate Copper Red	33	Upper epidermis thickness (μm)	16.163
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	153.423
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	296.783
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	16.23
13	Number of Glands	2	37	No. of chloroplasts	6.667
14	Position of Glands	Opposite	38	Total thickness(μm)	502.803
15	Leaf Length (cm)	14.567	39	Palisade: Parenchyma	0.517
16	Leaf Width (cm)	7.733	40	Chlorophyll a (mg/g)	0.706
17	Petiole Length (cm)	0.45	41	Chlorophyll b (mg/g)	0.532
18	Leaf Length: petiole length	32.37	42	Chlorophyll a/b	1.327
19	Leaf Weight	10.72	43	total Chlorophyll (mg/g)	1.25
20	Petiole Weight	0.163	44	Phenol (μg/mg)	1.85
21	Leaf weight: Petiole Weight	66.264	45	Reducing sugar (μg/mg)	11.213
22	Lamina weight (gm)	10.557	46	Non-reducing sugar (μg/mg)	6.083
23	Laminar Index (%)	98.479	47	Proline (μg/g)	44.89
24	Internodal Distance(cm)	2.11	48	Protein (mg/g)	10.93