

Accession No. 612

IC No.: 410764

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Kudurpurvegu, Karimnagar, Andhra Pradesh

Year of Planting: July-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	84.063
2	Bark Nature	Rough	26	MRC (%)	83.103
3	Bark Colour	Dark Grey	27	Stomata /mm ²	241.307
4	Phyllotaxy	Opposite	28	Stomata length (μm)	27.217
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	14.567
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.59
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.723
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	10.55
9	Young Leaf Colour	Moderate Copper Red	33	Upper epidermis thickness (μm)	16.173
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	121.327
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	178.637
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.147
13	Number of Glands	2	37	No. of chloroplasts	6.667
14	Position of Glands	Alternate	38	Total thickness(μm)	412.573
15	Leaf Length (cm)	15.733	39	Palisade: Parenchyma	0.866
16	Leaf Width (cm)	6.817	40	Chlorophyll a (mg/g)	0.483
17	Petiole Length (cm)	0.263	41	Chlorophyll b (mg/g)	0.378
18	Leaf Length: petiole length	59.747	42	Chlorophyll a/b	1.279
19	Leaf Weight	7.54	43	total Chlorophyll (mg/g)	1.209
20	Petiole Weight	0.118	44	Phenol (μg/mg)	1.45
21	Leaf weight: Petiole Weight	63.892	45	Reducing sugar (μg/mg)	10.467
22	Lamina weight (gm)	7.422	46	Non-reducing sugar (μg/mg)	10.06
23	Laminar Index (%)	98.43	47	Proline (μg/g)	61.967
24	Internodal Distance(cm)	2.463	48	Protein (mg/g)	17.127