

Accession No. 606

IC No.: 410757

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Narayanpur, Medak, Andhra Pradesh

Year of Planting: July-2003

Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	70.747
2	Bark Nature	Smooth	26	MRC (%)	68.793
3	Bark Colour	Dark Grey	27	Stomata /mm ²	291.017
4	Phyllotaxy	Opposite	28	Stomata length (µm)	27.933
5	Leaf Nature	Homophyllous	29	Stomata width (µm)	16.833
6	Leaf Shape	Elliptical	30	Stomata pore length (µm)	17.69
7	Leaf Apex	Acute	31	Stomata pore width (µm)	4.65
8	Leaf Margin	Dentate	32	Cuticle thickness(µm)	16.207
9	Young Leaf Colour	Dark Copper Red	33	Upper epidermis thickness (µm)	12.813
10	Young Leaf midrib Colour	Red	34	Palisade thickness (µm)	98.12
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (µm)	186.327
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (µm)	28.05
13	Number of Glands	2	37	No. of chloroplasts	8
14	Position of Glands	Alternate	38	Total thickness(µm)	412.573
15	Leaf Length (cm)	21.367	39	Palisade: Parenchyma	0.866
16	Leaf Width (cm)	9.283	40	Chlorophyll a (mg/g)	0.483
17	Petiole Length (cm)	0.527	41	Chlorophyll b (mg/g)	0.378
18	Leaf Length: petiole length	40.57	42	Chlorophyll a/b	1.279
19	Leaf Weight	4.893	43	total Chlorophyll (mg/g)	2.042
20	Petiole Weight	0.061	44	Phenol (µg/mg)	2.673
21	Leaf weight: Petiole Weight	79.966	45	Reducing sugar (µg/mg)	4.417
22	Lamina weight (gm)	4.832	46	Non-reducing sugar (µg/mg)	9.553
23	Laminar Index (%)	98.746	47	Proline (µg/g)	74.517
24	Internodal Distance(cm)	2.03	48	Protein (mg/g)	21.563