

Accession No. 329

IC No.: 382313

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Parapally, Adilabad, Andhra Pradesh

Year of Planting: July-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	71.547
2	Bark Nature	Rough	26	MRC (%)	69.74
3	Bark Colour	Dark Grey	27	Stomata /mm ²	230.28
4	Phyllotaxy	Opposite	28	Stomata length (μm)	27.967
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.427
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	18.787
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.98
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	9.017
9	Young Leaf Colour	Moderate Copper Red	33	Upper epidermis thickness (μm)	16.173
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	106.42
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	114.283
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.223
13	Number of Glands	2	37	No. of chloroplasts	10
14	Position of Glands	Alternate	38	Total thickness(μm)	262.117
15	Leaf Length (cm)	17.3	39	Palisade: Parenchyma	0.931
16	Leaf Width (cm)	8.537	40	Chlorophyll a (mg/g)	0.448
17	Petiole Length (cm)	0.45	41	Chlorophyll b (mg/g)	0.408
18	Leaf Length: petiole length	38.444	42	Chlorophyll a/b	1.097
19	Leaf Weight	5.387	43	total Chlorophyll (mg/g)	0.873
20	Petiole Weight	0.163	44	Phenol (μg/mg)	2.837
21	Leaf weight: Petiole Weight	33.507	45	Reducing sugar (μg/mg)	8.093
22	Lamina weight (gm)	5.223	46	Non-reducing sugar (μg/mg)	8.85
23	Laminar Index (%)	96.967	47	Proline (μg/g)	57.957
24	Internodal Distance(cm)	2.627	48	Protein (mg/g)	21.49