

Accession No. 226

IC No.: 326381

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Govindpur, Gadchiroli, Maharashtra

Year of Planting: June-2002

Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	69.133
2	Bark Nature	Rough	26	MRC (%)	67.377
3	Bark Colour	Dark Grey	27	Stomata /mm ²	303.487
4	Phyllotaxy	Opposite	28	Stomata length (µm)	24.45
5	Leaf Nature	Homophyllous	29	Stomata width (µm)	17.467
6	Leaf Shape	Ovate	30	Stomata pore length (µm)	16.447
7	Leaf Apex	Acute	31	Stomata pore width (µm)	5.073
8	Leaf Margin	Repand	32	Cuticle thickness(µm)	16.21
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (µm)	16.23
10	Young Leaf midrib Colour	Green	34	Palisade thickness (µm)	155.41
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (µm)	162.803
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (µm)	16.243
13	Number of Glands	2	37	No. of chloroplasts	11
14	Position of Glands	Opposite	38	Total thickness(µm)	366.897
15	Leaf Length (cm)	12.3	39	Palisade: Parenchyma	0.955
16	Leaf Width (cm)	5.067	40	Chlorophyll a (mg/g)	0.258
17	Petiole Length (cm)	0.583	41	Chlorophyll b (mg/g)	0.209
18	Leaf Length: petiole length	21.086	42	Chlorophyll a/b	1.235
19	Leaf Weight	6.153	43	total Chlorophyll (mg/g)	2.364
20	Petiole Weight	0.123	44	Phenol (µg/mg)	1.741
21	Leaf weight: Petiole Weight	51.256	45	Reducing sugar (µg/mg)	3.817
22	Lamina weight (gm)	6.03	46	Non-reducing sugar (µg/mg)	8.317
23	Laminar Index (%)	97.996	47	Proline (µg/g)	39.067
24	Internodal Distance(cm)	1.827	48	Protein (mg/g)	35.26