

Accession No. 401

IC No.: 410788

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Manika, Latehar, Jharkhand

Year of Planting: July-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	68.183
2	Bark Nature	Rough	26	MRC (%)	66.577
3	Bark Colour	Grey	27	Stomata /mm ²	286.57
4	Phyllotaxy	Opposite	28	Stomata length (μm)	16.833
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	12.517
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.007
7	Leaf Apex	Mucronate	31	Stomata pore width (μm)	5.377
8	Leaf Margin	Dentate	32	Cuticle thickness(μm)	16.16
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	16.177
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	100.07
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	145.913
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.19
13	Number of Glands	2	37	No. of chloroplasts	7
14	Position of Glands	Alternate	38	Total thickness(μm)	294.51
15	Leaf Length (cm)	16.533	39	Palisade: Parenchyma	0.686
16	Leaf Width (cm)	8.25	40	Chlorophyll a (mg/g)	1.329
17	Petiole Length (cm)	0.633	41	Chlorophyll b (mg/g)	0.623
18	Leaf Length: petiole length	26.105	42	Chlorophyll a/b	2.144
19	Leaf Weight	6.747	43	total Chlorophyll (mg/g)	2.264
20	Petiole Weight	0.24	44	Phenol (μg/mg)	1.427
21	Leaf weight: Petiole Weight	28.416	45	Reducing sugar (μg/mg)	11.667
22	Lamina weight (gm)	6.507	46	Non-reducing sugar (μg/mg)	10.06
23	Laminar Index (%)	96.441	47	Proline (μg/g)	37.117
24	Internodal Distance(cm)	2.227	48	Protein (mg/g)	8.59