

Accession No. 438

IC No.: 381637

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Ghatshila, East Singhbhoom, Jharkhand

Year of Planting: August-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	Dark Brown	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)	18.75
7	Leaf Apex	Mucronate	31	Stomata pore width (μm)	5.67
8	Leaf Margin	Serrate	32	Cuticle thickness(μm)	16.187
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	24.04
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	195.35
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	201.63
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	20.173
13	Number of Glands	2	37	No. of chloroplasts	9
14	Position of Glands	Alternate	38	Total thickness(μm)	457.38
15	Leaf Length (cm)	14.533	39	Palisade: Parenchyma	0.969
16	Leaf Width (cm)	6.333	40	Chlorophyll a (mg/g)	1.169
17	Petiole Length (cm)	0.267	41	Chlorophyll b (mg/g)	0.831
18	Leaf Length: petiole length	54.5	42	Chlorophyll a/b	1.408
19	Leaf Weight	4.21	43	total Chlorophyll (mg/g)	2.103
20	Petiole Weight	0.061	44	Phenol (μg/mg)	0.865
21	Leaf weight: Petiole Weight	69.482	45	Reducing sugar (μg/mg)	10.557
22	Lamina weight (gm)	4.149	46	Non-reducing sugar (μg/mg)	5.123
23	Laminar Index (%)	98.559	47	Proline (μg/g)	31.59
24	Internodal Distance(cm)	1.527	48	Protein (mg/g)	32.72