

Accession No. 526

IC No.: 410785

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: RankaForest, Garhwa, Jharkhand

Year of Planting: June-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	62.69
2	Bark Nature	Rough	26	MRC (%)	60.54
3	Bark Colour	Dark Grey	27	Stomata /mm ²	211.157
4	Phyllotaxy	Opposite	28	Stomata length (μm)	25.25
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.2
6	Leaf Shape	Elliptical	30	Stomata pore length (μm)	19.873
7	Leaf Apex	Mucronate	31	Stomata pore width (μm)	6.44
8	Leaf Margin	Entire	32	Cuticle thickness(μm)	8.137
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	10.547
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	99.15
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	122.077
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.2
13	Number of Glands	2	37	No. of chloroplasts	12
14	Position of Glands	Alternate	38	Total thickness(μm)	256.11
15	Leaf Length (cm)	17.3	39	Palisade: Parenchyma	0.812
16	Leaf Width (cm)	11.443	40	Chlorophyll a (mg/g)	1.039
17	Petiole Length (cm)	0.8	41	Chlorophyll b (mg/g)	0.828
18	Leaf Length: petiole length	21.625	42	Chlorophyll a/b	1.256
19	Leaf Weight	8.633	43	total Chlorophyll (mg/g)	1.916
20	Petiole Weight	0.167	44	Phenol (μg/mg)	2.25
21	Leaf weight: Petiole Weight	51.929	45	Reducing sugar (μg/mg)	9.45
22	Lamina weight (gm)	8.466	46	Non-reducing sugar (μg/mg)	5.25
23	Laminar Index (%)	98.062	47	Proline (μg/g)	24.633
24	Internodal Distance(cm)	1.78	48	Protein (mg/g)	20.89