

Accession No. 538

IC No.: 381652

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Kuchai, S.Kharsawan, Jharkhand

Year of Planting: June-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.38
2	Bark Nature	Rough	26	MRC (%)	66.467
3	Bark Colour	Dark Grey	27	Stomata /mm ²	317.293
4	Phyllotaxy	Opposite	28	Stomata length (μm)	25.317
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.183
6	Leaf Shape	Lanceolate	30	Stomata pore length (μm)	16.437
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.92
8	Leaf Margin	Entire	32	Cuticle thickness(μm)	16.167
9	Young Leaf Colour	Moderate Copper Red	33	Upper epidermis thickness (μm)	16.203
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	168.9
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	195.1
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	16.203
13	Number of Glands	2	37	No. of chloroplasts	11.667
14	Position of Glands	Alternate	38	Total thickness(μm)	412.573
15	Leaf Length (cm)	16.433	39	Palisade: Parenchyma	0.866
16	Leaf Width (cm)	6.717	40	Chlorophyll a (mg/g)	0.483
17	Petiole Length (cm)	0.8	41	Chlorophyll b (mg/g)	0.378
18	Leaf Length: petiole length	20.542	42	Chlorophyll a/b	1.279
19	Leaf Weight	6.183	43	total Chlorophyll (mg/g)	1.916
20	Petiole Weight	0.152	44	Phenol (μg/mg)	2.25
21	Leaf weight: Petiole Weight	41.827	45	Reducing sugar (μg/mg)	9.45
22	Lamina weight (gm)	6.032	46	Non-reducing sugar (μg/mg)	5.25
23	Laminar Index (%)	97.545	47	Proline (μg/g)	24.633
24	Internodal Distance(cm)	1.727	48	Protein (mg/g)	20.89