

Accession No. 535

IC No.: 410787

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Chainpur, Palamu, Jharkhand

Year of Planting: June-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	70.16
2	Bark Nature	Rough	26	MRC (%)	68.81
3	Bark Colour	Dark Grey	27	Stomata /mm ²	494.66
4	Phyllotaxy	Opposite	28	Stomata length (μm)	29.217
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	26.567
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	19.873
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.423
8	Leaf Margin	Serrulate	32	Cuticle thickness(μm)	10.523
9	Young Leaf Colour	Dark Copper Red	33	Upper epidermis thickness (μm)	16.147
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	193.957
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	186.43
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	16.147
13	Number of Glands	2	37	No. of chloroplasts	7.667
14	Position of Glands	Alternate	38	Total thickness(μm)	423.203
15	Leaf Length (cm)	17.7	39	Palisade: Parenchyma	1.04
16	Leaf Width (cm)	8.64	40	Chlorophyll a (mg/g)	0.535
17	Petiole Length (cm)	1.033	41	Chlorophyll b (mg/g)	0.373
18	Leaf Length: petiole length	17.129	42	Chlorophyll a/b	1.434
19	Leaf Weight	4.533	43	total Chlorophyll (mg/g)	1.392
20	Petiole Weight	0.092	44	Phenol (μg/mg)	1.417
21	Leaf weight: Petiole Weight	49.307	45	Reducing sugar (μg/mg)	8.997
22	Lamina weight (gm)	4.441	46	Non-reducing sugar (μg/mg)	6.367
23	Laminar Index (%)	97.97	47	Proline (μg/g)	35.097
24	Internodal Distance(cm)	1.953	48	Protein (mg/g)	24.833