

Accession No. 611

IC No.: 410847

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Amotta, PauriGarhwal, Uttarakhand

Year of Planting: July-2003

Anatomy and physiology



#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	69.97
2	Bark Nature	Rough	26	MRC (%)	67.31
3	Bark Colour	Dark Grey	27	Stomata /mm ²	338.783
4	Phyllotaxy	Opposite	28	Stomata length (μm)	27.917
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	14.717
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	14.147
7	Leaf Apex	Acute	31	Stomata pore width (μm)	6.207
8	Leaf Margin	Sinuate	32	Cuticle thickness(μm)	14.583
9	Young Leaf Colour	Moderate Copper Red	33	Upper epidermis thickness (μm)	16.193
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	113.07
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	162.177
12	Young Leaf Pubescence	Sparse	36	Lower epidermis thickness (μm)	20.22
13	Number of Glands	4	37	No. of chloroplasts	7.333
14	Position of Glands	Opposite	38	Total thickness(μm)	423.203
15	Leaf Length (cm)	14.567	39	Palisade: Parenchyma	1.04
16	Leaf Width (cm)	8.85	40	Chlorophyll a (mg/g)	0.535
17	Petiole Length (cm)	1.117	41	Chlorophyll b (mg/g)	0.373
18	Leaf Length: petiole length	13.045	42	Chlorophyll a/b	1.434
19	Leaf Weight	8.433	43	total Chlorophyll (mg/g)	1.195
20	Petiole Weight	0.199	44	Phenol (μg/mg)	1.503
21	Leaf weight: Petiole Weight	42.593	45	Reducing sugar (μg/mg)	9.45
22	Lamina weight (gm)	8.234	46	Non-reducing sugar (μg/mg)	10.717
23	Laminar Index (%)	97.64	47	Proline (μg/g)	77.413
24	Internodal Distance(cm)	3.037	48	Protein (mg/g)	16.287