

Accession No. 734

IC No.: 560428

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Walkeshwar, Bhandara, Maharashtra

Year of Planting: July-2004



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	69.837
2	Bark Nature	Rough	26	MRC (%)	67.537
3	Bark Colour	Dark Grey	27	Stomata /mm ²	184.61
4	Phyllotaxy	Opposite	28	Stomata length (μm)	27.917
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	14.717
6	Leaf Shape	Elliptical	30	Stomata pore length (μm)	17.62
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.657
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	14.567
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	19.457
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	90.373
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	218.377
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.193
13	Number of Glands	2	37	No. of chloroplasts	10
14	Position of Glands	Opposite	38	Total thickness(μm)	358.967
15	Leaf Length (cm)	13.6	39	Palisade: Parenchyma	0.414
16	Leaf Width (cm)	8.267	40	Chlorophyll a (mg/g)	0.864
17	Petiole Length (cm)	0.403	41	Chlorophyll b (mg/g)	0.685
18	Leaf Length: petiole length	33.719	42	Chlorophyll a/b	1.262
19	Leaf Weight	5.757	43	total Chlorophyll (mg/g)	1.586
20	Petiole Weight	0.118	44	Phenol (μg/mg)	2.577
21	Leaf weight: Petiole Weight	48.822	45	Reducing sugar (μg/mg)	6.917
22	Lamina weight (gm)	5.639	46	Non-reducing sugar (μg/mg)	17.45
23	Laminar Index (%)	97.95	47	Proline (μg/g)	69.013
24	Internodal Distance(cm)	2.197	48	Protein (mg/g)	15.113