

Accession No. 726

IC No.: 410819

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Astha, Chandrapur, Maharashtra

Year of Planting: July-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	69.85
2	Bark Nature	Rough	26	MRC (%)	67.533
3	Bark Colour	Dark Brown	27	Stomata /mm ²	315.493
4	Phyllotaxy	Opposite	28	Stomata length (μm)	23.933
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	21.867
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	16.957
7	Leaf Apex	Mucronate	31	Stomata pore width (μm)	6.193
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	14.547
9	Young Leaf Colour	Light Green	33	Upper epidermis thickness (μm)	20.21
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	153.567
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	129.57
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	32.017
13	Number of Glands	2	37	No. of chloroplasts	6.333
14	Position of Glands	Alternate	38	Total thickness(μm)	349.91
15	Leaf Length (cm)	22.333	39	Palisade: Parenchyma	1.185
16	Leaf Width (cm)	10.367	40	Chlorophyll a (mg/g)	1.102
17	Petiole Length (cm)	0.703	41	Chlorophyll b (mg/g)	0.847
18	Leaf Length: petiole length	31.754	42	Chlorophyll a/b	1.301
19	Leaf Weight	2.7	43	total Chlorophyll (mg/g)	2.06
20	Petiole Weight	0.046	44	Phenol (μg/mg)	0.517
21	Leaf weight: Petiole Weight	59.202	45	Reducing sugar (μg/mg)	17.353
22	Lamina weight (gm)	2.654	46	Non-reducing sugar (μg/mg)	14.773
23	Laminar Index (%)	98.308	47	Proline (μg/g)	78.453
24	Internodal Distance(cm)	1.937	48	Protein (mg/g)	13.907