

Accession No. 409

IC No.: 410808

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Khapa, Bhandar, Maharashtra

Year of Planting: August-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	68.183
2	Bark Nature	Rough	26	MRC (%)	66.577
3	Bark Colour	Dark Grey	27	Stomata /mm ²	286.57
4	Phyllotaxy	Opposite	28	Stomata length (μm)	16.833
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	12.517
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	19.767
7	Leaf Apex	Acute	31	Stomata pore width (μm)	6.817
8	Leaf Margin	Serrate	32	Cuticle thickness(μm)	15.243
9	Young Leaf Colour	Moderate Copper Red	33	Upper epidermis thickness (μm)	16.16
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	137.65
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	153.62
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	10.567
13	Number of Glands	2	37	No. of chloroplasts	8
14	Position of Glands	Alternate	38	Total thickness(μm)	333.24
15	Leaf Length (cm)	15.333	39	Palisade: Parenchyma	0.896
16	Leaf Width (cm)	7.743	40	Chlorophyll a (mg/g)	0.681
17	Petiole Length (cm)	0.35	41	Chlorophyll b (mg/g)	0.611
18	Leaf Length: petiole length	43.81	42	Chlorophyll a/b	1.115
19	Leaf Weight	5.92	43	total Chlorophyll (mg/g)	1.31
20	Petiole Weight	0.065	44	Phenol (μg/mg)	3.197
21	Leaf weight: Petiole Weight	91.126	45	Reducing sugar (μg/mg)	10.413
22	Lamina weight (gm)	5.855	46	Non-reducing sugar (μg/mg)	11.063
23	Laminar Index (%)	98.902	47	Proline (μg/g)	36.583
24	Internodal Distance(cm)	2.527	48	Protein (mg/g)	22.673