

Accession No. 531

IC No.: 410818

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Vitoli, Chandrapur, Maharashtra

Year of Planting: June-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	69.48
2	Bark Nature	Rough	26	MRC (%)	68.33
3	Bark Colour	Grey	27	Stomata /mm ²	327.763
4	Phyllotaxy	Opposite	28	Stomata length (μm)	27.267
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.817
6	Leaf Shape	Lanceolate	30	Stomata pore length (μm)	16.437
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.343
8	Leaf Margin	Entire	32	Cuticle thickness(μm)	14.557
9	Young Leaf Colour	Dark Copper Red	33	Upper epidermis thickness (μm)	16.17
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	113.513
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	255.537
12	Young Leaf Pubescence	Glabrous	36	Lower epidermis thickness (μm)	16.203
13	Number of Glands	2	37	No. of chloroplasts	6.667
14	Position of Glands	Alternate	38	Total thickness(μm)	415.98
15	Leaf Length (cm)	21.667	39	Palisade: Parenchyma	0.444
16	Leaf Width (cm)	8.45	40	Chlorophyll a (mg/g)	1.167
17	Petiole Length (cm)	0.683	41	Chlorophyll b (mg/g)	0.735
18	Leaf Length: petiole length	31.707	42	Chlorophyll a/b	1.601
19	Leaf Weight	6.14	43	total Chlorophyll (mg/g)	1.896
20	Petiole Weight	0.095	44	Phenol (μg/mg)	3.273
21	Leaf weight: Petiole Weight	64.897	45	Reducing sugar (μg/mg)	3.06
22	Lamina weight (gm)	6.045	46	Non-reducing sugar (μg/mg)	3.667
23	Laminar Index (%)	98.458	47	Proline (μg/g)	30.12
24	Internodal Distance(cm)	1.957	48	Protein (mg/g)	22.897