

Accession No. 403

IC No.: 410816

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Porla, Gadchiroli, Maharashtra

Year of Planting: July-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	72.633
2	Bark Nature	Rough	26	MRC (%)	71.523
3	Bark Colour	Dark Grey	27	Stomata /mm ²	210.607
4	Phyllotaxy	Opposite	28	Stomata length (μm)	23.75
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.1
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	18.817
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.917
8	Leaf Margin	Serrate	32	Cuticle thickness(μm)	12.17
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	12.177
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	122.073
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	187.063
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.21
13	Number of Glands	2	37	No. of chloroplasts	7
14	Position of Glands	Alternate	38	Total thickness(μm)	349.693
15	Leaf Length (cm)	12.3	39	Palisade: Parenchyma	0.653
16	Leaf Width (cm)	9.733	40	Chlorophyll a (mg/g)	1.483
17	Petiole Length (cm)	0.583	41	Chlorophyll b (mg/g)	1.061
18	Leaf Length: petiole length	21.086	42	Chlorophyll a/b	1.401
19	Leaf Weight	8.427	43	total Chlorophyll (mg/g)	2.58
20	Petiole Weight	0.166	44	Phenol (μg/mg)	1.92
21	Leaf weight: Petiole Weight	53.27	45	Reducing sugar (μg/mg)	6.323
22	Lamina weight (gm)	8.261	46	Non-reducing sugar (μg/mg)	10.33
23	Laminar Index (%)	98.034	47	Proline (μg/g)	19.137
24	Internodal Distance(cm)	3.533	48	Protein (mg/g)	8.973