

Accession No. 502

IC No.: 355560

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Nagri,Ranchi,Jharkhand

Year of Planting: June-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Spreading	25	Moisture (%)	69.237
2	Bark Nature	Rough	26	MRC (%)	67.423
3	Bark Colour	Grey	27	Stomata /mm ²	554.64
4	Phyllotaxy	Opposite	28	Stomata length (μm)	23.933
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	11.983
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	16.503
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.42
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	28.007
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	20.21
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	113.72
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	146.333
12	Young Leaf Pubescence	Sparse	36	Lower epidermis thickness (μm)	31.54
13	Number of Glands	2	37	No. of chloroplasts	6.667
14	Position of Glands	Alternate	38	Total thickness(μm)	339.81
15	Leaf Length (cm)	14.133	39	Palisade: Parenchyma	0.777
16	Leaf Width (cm)	6.45	40	Chlorophyll a (mg/g)	0.772
17	Petiole Length (cm)	0.55	41	Chlorophyll b (mg/g)	0.317
18	Leaf Length: petiole length	25.697	42	Chlorophyll a/b	2.441
19	Leaf Weight	6.53	43	total Chlorophyll (mg/g)	1.25
20	Petiole Weight	0.076	44	Phenol (μg/mg)	1.167
21	Leaf weight: Petiole Weight	86.002	45	Reducing sugar (μg/mg)	12.063
22	Lamina weight (gm)	6.454	46	Non-reducing sugar (μg/mg)	4.583
23	Laminar Index (%)	98.836	47	Proline (μg/g)	53.347
24	Internodal Distance(cm)	2.81	48	Protein (mg/g)	17.973