

Accession No. 238

IC No.: 355556

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Nagri (Ranchi)

Year of Planting: June 2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	66.36
2	Bark Nature	Rough	26	MRC (%)	64.547
3	Bark Colour	Grey	27	Stomata /mm ²	236.133
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.667
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.417
6	Leaf Shape	Elliptical	30	Stomata pore length (μm)	17.593
7	Leaf Apex	Mucronate	31	Stomata pore width (μm)	6.047
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	5.737
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	10.567
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	114.02
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	146.127
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	14.607
13	Number of Glands	2	37	No. of chloroplasts	10
14	Position of Glands	Alternate	38	Total thickness(μm)	291.057
15	Leaf Length (cm)	18.667	39	Palisade: Parenchyma	0.78
16	Leaf Width (cm)	9.063	40	Chlorophyll a (mg/g)	1.062
17	Petiole Length (cm)	0.65	41	Chlorophyll b (mg/g)	1.01
18	Leaf Length: petiole length	28.718	42	Chlorophyll a/b	1.051
19	Leaf Weight	3.423	43	total Chlorophyll (mg/g)	2.158
20	Petiole Weight	0.061	44	Phenol (μg/mg)	0.628
21	Leaf weight: Petiole Weight	56.267	45	Reducing sugar (μg/mg)	8.583
22	Lamina weight (gm)	3.362	46	Non-reducing sugar (μg/mg)	6.92
23	Laminar Index (%)	98.218	47	Proline (μg/g)	79.877
24	Internodal Distance(cm)	2.293	48	Protein (mg/g)	9.483