

Accession No. 127

IC No.: 355539

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Nagri (Ranchi)

Year of Planting: July-Aug 2001



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	73.643
2	Bark Nature	Rough	26	MRC (%)	71.247
3	Bark Colour	Dark Grey	27	Stomata /mm ²	240.973
4	Phyllotaxy	Opposite	28	Stomata length (μm)	24.317
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.317
6	Leaf Shape	Lanceolate	30	Stomata pore length (μm)	19.713
7	Leaf Apex	Mucronate	31	Stomata pore width (μm)	5.913
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	13.097
9	Young Leaf Colour	Light Green	33	Upper epidermis thickness (μm)	17.823
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	130.053
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	170.97
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.167
13	Number of Glands	2	37	No. of chloroplasts	7
14	Position of Glands	Alternate	38	Total thickness(μm)	348.11
15	Leaf Length (cm)	20.617	39	Palisade: Parenchyma	0.761
16	Leaf Width (cm)	11.2	40	Chlorophyll a (mg/g)	0.966
17	Petiole Length (cm)	0.553	41	Chlorophyll b (mg/g)	0.778
18	Leaf Length: petiole length	37.259	42	Chlorophyll a/b	1.244
19	Leaf Weight	11.727	43	total Chlorophyll (mg/g)	1.767
20	Petiole Weight	0.216	44	Phenol (μg/mg)	1.003
21	Leaf weight: Petiole Weight	55.552	45	Reducing sugar (μg/mg)	4.757
22	Lamina weight (gm)	11.511	46	Non-reducing sugar (μg/mg)	10.22
23	Laminar Index (%)	98.161	47	Proline (μg/g)	31.583
24	Internodal Distance(cm)	3.033	48	Protein (mg/g)	73.643