

Accession No. 501

IC No.:

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	Erect	25	Moisture (%)	69.03
2	Bark Nature	Rough	26	MRC (%)	67.923
3	Bark Colour	Grey	27	Stomata /mm ²	426.87
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.9
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	13.95
6	Leaf Shape	Elliptical	30	Stomata pore length (μm)	15.87
7	Leaf Apex	Mucronate	31	Stomata pore width (μm)	5.687
8	Leaf Margin	Entire	32	Cuticle thickness(μm)	15.363
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	14.567
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	106.043
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	154.38
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.21
13	Number of Glands	2	37	No. of chloroplasts	12
14	Position of Glands	Alternate	38	Total thickness(μm)	306.563
15	Leaf Length (cm)	23.133	39	Palisade: Parenchyma	0.687
16	Leaf Width (cm)	9.85	40	Chlorophyll a (mg/g)	1
17	Petiole Length (cm)	0.917	41	Chlorophyll b (mg/g)	1.007
18	Leaf Length: petiole length	25.236	42	Chlorophyll a/b	0.994
19	Leaf Weight	7.943	43	total Chlorophyll (mg/g)	2.033
20	Petiole Weight	0.084	44	Phenol (μg/mg)	0.89
21	Leaf weight: Petiole Weight	94.302	45	Reducing sugar (μg/mg)	6.033
22	Lamina weight (gm)	7.859	46	Non-reducing sugar (μg/mg)	11.783
23	Laminar Index (%)	98.938	47	Proline (μg/g)	45.147
24	Internodal Distance(cm)	3.24	48	Protein (mg/g)	11.28