

Accession No. 728

IC No.:

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Guwa, WestSinghbhoom, Jharkhand

Year of Planting: July-2004



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.76
2	Bark Nature	Rough	26	MRC (%)	65.733
3	Bark Colour	Dark Grey	27	Stomata /mm ²	260.647
4	Phyllotaxy	Opposite	28	Stomata length (μm)	23.15
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	14.817
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.623
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.667
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	16.17
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	27.98
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	159.763
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	210.057
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	20.22
13	Number of Glands	2	37	No. of chloroplasts	8
14	Position of Glands	Opposite	38	Total thickness(μm)	434.19
15	Leaf Length (cm)	13.267	39	Palisade: Parenchyma	0.761
16	Leaf Width (cm)	7.033	40	Chlorophyll a (mg/g)	0.716
17	Petiole Length (cm)	0.623	41	Chlorophyll b (mg/g)	0.678
18	Leaf Length: petiole length	21.283	42	Chlorophyll a/b	1.06
19	Leaf Weight	5.78	43	total Chlorophyll (mg/g)	1.437
20	Petiole Weight	0.11	44	Phenol (μg/mg)	2.217
21	Leaf weight: Petiole Weight	52.558	45	Reducing sugar (μg/mg)	4.15
22	Lamina weight (gm)	5.67	46	Non-reducing sugar (μg/mg)	9.073
23	Laminar Index (%)	98.097	47	Proline (μg/g)	34.59
24	Internodal Distance(cm)	1.707	48	Protein (mg/g)	27.8