

Accession No. 412

IC No.: 355573

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Ghatshila, East Singhbhoom, Jharkhand

Year of Planting: August-2002

Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	72.633
2	Bark Nature	Rough	26	MRC (%)	71.523
3	Bark Colour	Dark Grey	27	Stomata /mm ²	210.607
4	Phyllotaxy	Opposite	28	Stomata length (µm)	23.75
5	Leaf Nature	Homophyllous	29	Stomata width (µm)	16.1
6	Leaf Shape	Ovate	30	Stomata pore length (µm)	18.75
7	Leaf Apex	Acute	31	Stomata pore width (µm)	6.243
8	Leaf Margin	Serrate	32	Cuticle thickness(µm)	14.563
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (µm)	16.19
10	Young Leaf midrib Colour	Green	34	Palisade thickness (µm)	137.603
11	Mature Leaf colour	Green	35	Parenchyma thickness (µm)	162.82
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (µm)	14.617
13	Number of Glands	2	37	No. of chloroplasts	7
14	Position of Glands	Alternate	38	Total thickness(µm)	345.793
15	Leaf Length (cm)	10.5	39	Palisade: Parenchyma	0.845
16	Leaf Width (cm)	4.517	40	Chlorophyll a (mg/g)	1.026
17	Petiole Length (cm)	0.257	41	Chlorophyll b (mg/g)	0.886
18	Leaf Length: petiole length	40.909	42	Chlorophyll a/b	1.158
19	Leaf Weight	4.63	43	total Chlorophyll (mg/g)	1.934
20	Petiole Weight	0.083	44	Phenol (µg/mg)	0.847
21	Leaf weight: Petiole Weight	56.072	45	Reducing sugar (µg/mg)	8.467
22	Lamina weight (gm)	4.547	46	Non-reducing sugar (µg/mg)	6.557
23	Laminar Index (%)	98.215	47	Proline (µg/g)	70
24	Internodal Distance(cm)	2.083	48	Protein (mg/g)	35.327