

Accession No. 523

IC No.: 410784

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Purniyadeeh, Palamu, Jharkhand

Year of Planting: June-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	69.083
2	Bark Nature	Rough	26	MRC (%)	67.16
3	Bark Colour	Dark Grey	27	Stomata /mm ²	533.41
4	Phyllotaxy	Opposite	28	Stomata length (μm)	24.617
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.217
6	Leaf Shape	Elliptical	30	Stomata pore length (μm)	18.783
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.99
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	14.567
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	20.197
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	114.017
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	190.103
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	16.18
13	Number of Glands	2	37	No. of chloroplasts	7.667
14	Position of Glands	Alternate	38	Total thickness(μm)	339.81
15	Leaf Length (cm)	16.367	39	Palisade: Parenchyma	0.777
16	Leaf Width (cm)	8.033	40	Chlorophyll a (mg/g)	0.772
17	Petiole Length (cm)	0.45	41	Chlorophyll b (mg/g)	0.317
18	Leaf Length: petiole length	36.37	42	Chlorophyll a/b	2.441
19	Leaf Weight	5.803	43	total Chlorophyll (mg/g)	1.392
20	Petiole Weight	0.049	44	Phenol (μg/mg)	1.417
21	Leaf weight: Petiole Weight	118.576	45	Reducing sugar (μg/mg)	8.997
22	Lamina weight (gm)	5.754	46	Non-reducing sugar (μg/mg)	6.367
23	Laminar Index (%)	99.156	47	Proline (μg/g)	35.097
24	Internodal Distance(cm)	2.06	48	Protein (mg/g)	24.833