

Accession No. 136

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Dhamtari , (Chhattisgarh)

Year of Planting: July-Aug 2001



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.517
2	Bark Nature	Smooth	26	MRC (%)	64.24
3	Bark Colour	Dark Brown	27	Stomata /mm ²	258.51
4	Phyllotaxy	Opposite	28	Stomata length (μm)	29.353
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	13.25
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.59
7	Leaf Apex	Obtuse	31	Stomata pore width (μm)	4.847
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	15.257
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	25.213
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	151.647
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	140.55
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	12.733
13	Number of Glands	2	37	No. of chloroplasts	9
14	Position of Glands	Alternate	38	Total thickness(μm)	345.4
15	Leaf Length (cm)	11.333	39	Palisade: Parenchyma	1.079
16	Leaf Width (cm)	4.35	40	Chlorophyll a (mg/g)	0.828
17	Petiole Length (cm)	0.513	41	Chlorophyll b (mg/g)	0.76
18	Leaf Length: petiole length	22.078	42	Chlorophyll a/b	1.093
19	Leaf Weight	4.347	43	total Chlorophyll (mg/g)	2.364
20	Petiole Weight	0.071	44	Phenol (μg/mg)	1.741
21	Leaf weight: Petiole Weight	61.964	45	Reducing sugar (μg/mg)	3.817
22	Lamina weight (gm)	4.276	46	Non-reducing sugar (μg/mg)	8.317
23	Laminar Index (%)	98.373	47	Proline (μg/g)	39.067
24	Internodal Distance(cm)	1.9	48	Protein (mg/g)	35.26