

Accession No. 310

IC No.: 331856

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Chandreshwaropur, Sarguja, Jharkhand

Year of Planting: July-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	64.383
2	Bark Nature	Rough	26	MRC (%)	62.357
3	Bark Colour	Dark Grey	27	Stomata /mm ²	546.093
4	Phyllotaxy	Opposite	28	Stomata length (μm)	28.747
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.233
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.567
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.863
8	Leaf Margin	Entire	32	Cuticle thickness(μm)	14.587
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	16.147
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	122
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	146.323
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	13.047
13	Number of Glands	2	37	No. of chloroplasts	6
14	Position of Glands	Alternate	38	Total thickness(μm)	312.103
15	Leaf Length (cm)	15.533	39	Palisade: Parenchyma	0.834
16	Leaf Width (cm)	8.433	40	Chlorophyll a (mg/g)	0.577
17	Petiole Length (cm)	0.76	41	Chlorophyll b (mg/g)	0.46
18	Leaf Length: petiole length	20.439	42	Chlorophyll a/b	1.254
19	Leaf Weight	4.673	43	total Chlorophyll (mg/g)	1.482
20	Petiole Weight	0.124	44	Phenol (μg/mg)	1.367
21	Leaf weight: Petiole Weight	38.561	45	Reducing sugar (μg/mg)	8.063
22	Lamina weight (gm)	4.549	46	Non-reducing sugar (μg/mg)	9.65
23	Laminar Index (%)	97.345	47	Proline (μg/g)	24.59
24	Internodal Distance(cm)	2.627	48	Protein (mg/g)	29.08