

Accession No. 309

IC No.: 381648

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Baheta, East Singhbhoom, Jharkhand

Year of Planting: July-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.317
2	Bark Nature	Rough	26	MRC (%)	65.797
3	Bark Colour	Dark Grey	27	Stomata /mm ²	426.403
4	Phyllotaxy	Opposite	28	Stomata length (μm)	30.8
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.717
6	Leaf Shape	Elliptical	30	Stomata pore length (μm)	17.59
7	Leaf Apex	Obtuse	31	Stomata pore width (μm)	3.833
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	8.15
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	20.193
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	85.987
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	162.177
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.233
13	Number of Glands	2	37	No. of chloroplasts	7.333
14	Position of Glands	Opposite	38	Total thickness(μm)	361.017
15	Leaf Length (cm)	19.267	39	Palisade: Parenchyma	0.782
16	Leaf Width (cm)	10.6	40	Chlorophyll a (mg/g)	0.323
17	Petiole Length (cm)	0.483	41	Chlorophyll b (mg/g)	0.189
18	Leaf Length: petiole length	39.862	42	Chlorophyll a/b	1.722
19	Leaf Weight	8.52	43	total Chlorophyll (mg/g)	1.482
20	Petiole Weight	0.158	44	Phenol (μg/mg)	1.367
21	Leaf weight: Petiole Weight	54.279	45	Reducing sugar (μg/mg)	8.063
22	Lamina weight (gm)	8.362	46	Non-reducing sugar (μg/mg)	9.65
23	Laminar Index (%)	98.141	47	Proline (μg/g)	24.59
24	Internodal Distance(cm)	2.213	48	Protein (mg/g)	29.08