

Accession No. 308

IC No.: 381649

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Noamundi, WestSinghbhoom,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	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	Ovate	30	Stomata pore length (μm)	18.77
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.67
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	14.577
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	16.187
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	137.783
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	176.273
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.197
13	Number of Glands	2	37	No. of chloroplasts	10
14	Position of Glands	Alternate	38	Total thickness(μm)	361.017
15	Leaf Length (cm)	12.567	39	Palisade: Parenchyma	0.782
16	Leaf Width (cm)	6.35	40	Chlorophyll a (mg/g)	0.323
17	Petiole Length (cm)	0.45	41	Chlorophyll b (mg/g)	0.189
18	Leaf Length: petiole length	27.926	42	Chlorophyll a/b	1.722
19	Leaf Weight	5.047	43	total Chlorophyll (mg/g)	1.482
20	Petiole Weight	0.11	44	Phenol (μg/mg)	1.367
21	Leaf weight: Petiole Weight	45.989	45	Reducing sugar (μg/mg)	8.063
22	Lamina weight (gm)	4.936	46	Non-reducing sugar (μg/mg)	9.65
23	Laminar Index (%)	97.814	47	Proline (μg/g)	24.59
24	Internodal Distance(cm)	2.03	48	Protein (mg/g)	29.08