

Accession No. 319

IC No.: 355558

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Nagri,Ranchi,Jharkhand

Year of Planting: July-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	68.447
2	Bark Nature	Rough	26	MRC (%)	66.61
3	Bark Colour	Dark Grey	27	Stomata /mm ²	430.207
4	Phyllotaxy	Opposite	28	Stomata length (μm)	24.483
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.527
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.59
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.12
8	Leaf Margin	Sinuate	32	Cuticle thickness(μm)	10.57
9	Young Leaf Colour	Dark Copper Red	33	Upper epidermis thickness (μm)	16.213
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	146.157
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	175.713
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	17.843
13	Number of Glands	2	37	No. of chloroplasts	7
14	Position of Glands	Alternate	38	Total thickness(μm)	366.497
15	Leaf Length (cm)	17.033	39	Palisade: Parenchyma	0.832
16	Leaf Width (cm)	10.233	40	Chlorophyll a (mg/g)	0.63
17	Petiole Length (cm)	0.417	41	Chlorophyll b (mg/g)	0.67
18	Leaf Length: petiole length	40.88	42	Chlorophyll a/b	0.94
19	Leaf Weight	2.693	43	total Chlorophyll (mg/g)	1.454
20	Petiole Weight	0.061	44	Phenol (μg/mg)	2
21	Leaf weight: Petiole Weight	44.085	45	Reducing sugar (μg/mg)	12.453
22	Lamina weight (gm)	2.632	46	Non-reducing sugar (μg/mg)	11.75
23	Laminar Index (%)	97.72	47	Proline (μg/g)	72.38
24	Internodal Distance(cm)	2.147	48	Protein (mg/g)	35.93