

Accession No. 242

IC No.: 410871

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Wadrafnagar, Sarguja, Chhattisgarh

Year of Planting: June 2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.577
2	Bark Nature	Rough	26	MRC (%)	66.383
3	Bark Colour	Dark Grey	27	Stomata /mm ²	376.117
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.583
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	13.417
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	16.437
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.073
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	16.21
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	16.23
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	155.41
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	162.803
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.243
13	Number of Glands	2	37	No. of chloroplasts	11
14	Position of Glands	Alternate	38	Total thickness(μm)	366.897
15	Leaf Length (cm)	14.233	39	Palisade: Parenchyma	0.955
16	Leaf Width (cm)	6.183	40	Chlorophyll a (mg/g)	0.258
17	Petiole Length (cm)	0.65	41	Chlorophyll b (mg/g)	0.209
18	Leaf Length: petiole length	21.897	42	Chlorophyll a/b	1.235
19	Leaf Weight	6.45	43	total Chlorophyll (mg/g)	1.482
20	Petiole Weight	0.09	44	Phenol (μg/mg)	1.367
21	Leaf weight: Petiole Weight	72.499	45	Reducing sugar (μg/mg)	8.063
22	Lamina weight (gm)	6.36	46	Non-reducing sugar (μg/mg)	9.65
23	Laminar Index (%)	98.61	47	Proline (μg/g)	24.59
24	Internodal Distance(cm)	2.547	48	Protein (mg/g)	29.08