

Accession No. 331

IC No.: 331857

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Asura, Sarguja, Chhattisgarh

Year of Planting: July-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.487
2	Bark Nature	Rough	26	MRC (%)	65.933
3	Bark Colour	Dark Grey	27	Stomata /mm ²	378.93
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.6
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.367
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	18.817
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.67
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	16.227
9	Young Leaf Colour	Dark Copper Red	33	Upper epidermis thickness (μm)	14.58
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	106.283
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	146.193
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	20.21
13	Number of Glands	2	37	No. of chloroplasts	8
14	Position of Glands	Opposite	38	Total thickness(μm)	303.493
15	Leaf Length (cm)	17.033	39	Palisade: Parenchyma	0.727
16	Leaf Width (cm)	8.65	40	Chlorophyll a (mg/g)	1.473
17	Petiole Length (cm)	0.65	41	Chlorophyll b (mg/g)	1.133
18	Leaf Length: petiole length	26.205	42	Chlorophyll a/b	1.304
19	Leaf Weight	7.487	43	total Chlorophyll (mg/g)	2.667
20	Petiole Weight	0.163	44	Phenol (μg/mg)	0.73
21	Leaf weight: Petiole Weight	47.124	45	Reducing sugar (μg/mg)	7.347
22	Lamina weight (gm)	7.324	46	Non-reducing sugar (μg/mg)	7.383
23	Laminar Index (%)	97.821	47	Proline (μg/g)	12.647
24	Internodal Distance(cm)	2.127	48	Protein (mg/g)	27.15