

Accession No. 443

IC No.: 410869

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Wadrofnagar, Sarguja, Chhattisgarh

Year of Planting: August-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	69.463
2	Bark Nature	Rough	26	MRC (%)	68.157
3	Bark Colour	Dark Brown	27	Stomata /mm ²	343.193
4	Phyllotaxy	Opposite	28	Stomata length (μm)	25.683
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.5
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	16.427
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.34
8	Leaf Margin	Entire	32	Cuticle thickness(μm)	14.617
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	16.21
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	122.363
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	130.1
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.207
13	Number of Glands	2	37	No. of chloroplasts	7.667
14	Position of Glands	Alternate	38	Total thickness(μm)	299.497
15	Leaf Length (cm)	15.867	39	Palisade: Parenchyma	0.941
16	Leaf Width (cm)	8.083	40	Chlorophyll a (mg/g)	1.121
17	Petiole Length (cm)	0.683	41	Chlorophyll b (mg/g)	0.849
18	Leaf Length: petiole length	23.22	42	Chlorophyll a/b	1.321
19	Leaf Weight	8.757	43	total Chlorophyll (mg/g)	2.037
20	Petiole Weight	0.14	44	Phenol (μg/mg)	1.965
21	Leaf weight: Petiole Weight	64.356	45	Reducing sugar (μg/mg)	11.95
22	Lamina weight (gm)	8.617	46	Non-reducing sugar (μg/mg)	9.183
23	Laminar Index (%)	98.405	47	Proline (μg/g)	37.647
24	Internodal Distance(cm)	2.123	48	Protein (mg/g)	30.737