

Accession No. 229

IC No.: 331855

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Chandreshwar, Sarguja, Chhattisgarh

Year of Planting: June 2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	66.647
2	Bark Nature	Rough	26	MRC (%)	64.82
3	Bark Colour	Grey	27	Stomata /mm ²	310.97
4	Phyllotaxy	Opposite	28	Stomata length (μm)	23.083
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	18.317
6	Leaf Shape	Elliptical	30	Stomata pore length (μm)	17.613
7	Leaf Apex	Mucronate	31	Stomata pore width (μm)	6.937
8	Leaf Margin	Crenate	32	Cuticle thickness(μm)	5.74
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	12.917
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	105.907
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	130.07
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	14.61
13	Number of Glands	2	37	No. of chloroplasts	10
14	Position of Glands	Alternate	38	Total thickness(μm)	269.243
15	Leaf Length (cm)	21.333	39	Palisade: Parenchyma	0.814
16	Leaf Width (cm)	9.467	40	Chlorophyll a (mg/g)	0.846
17	Petiole Length (cm)	0.75	41	Chlorophyll b (mg/g)	0.803
18	Leaf Length: petiole length	28.444	42	Chlorophyll a/b	1.054
19	Leaf Weight	5.877	43	total Chlorophyll (mg/g)	1.67
20	Petiole Weight	0.113	44	Phenol (μg/mg)	0.858
21	Leaf weight: Petiole Weight	52.186	45	Reducing sugar (μg/mg)	8.883
22	Lamina weight (gm)	5.764	46	Non-reducing sugar (μg/mg)	6.053
23	Laminar Index (%)	98.083	47	Proline (μg/g)	13.63
24	Internodal Distance(cm)	2.24	48	Protein (mg/g)	8.95