

Accession No. 223

IC No.: 326379

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Kadoli, Bhandara (MH)

Year of Planting: June-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	68.87
2	Bark Nature	Rough	26	MRC (%)	66.05
3	Bark Colour	Dark Grey	27	Stomata /mm ²	281.82
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.58
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.26
6	Leaf Shape	Elliptical	30	Stomata pore length (μm)	15.90
7	Leaf Apex	Acute	31	Stomata pore width (μm)	6.84
8	Leaf Margin	Dentate	32	Cuticle thickness(μm)	12.95
9	Young Leaf Colour	Moderate Copper Red	33	Upper epidermis thickness (μm)	12.97
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	167.72
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	145.82
12	Young Leaf Pubescence	Sparse	36	Lower epidermis thickness (μm)	16.23
13	Number of Glands	2.00	37	No. of chloroplasts	8.00
14	Position of Glands	Alternate	38	Total thickness(μm)	355.69
15	Leaf Length (cm)	21.87	39	Palisade: Parenchyma	1.15
16	Leaf Width (cm)	10.50	40	Chlorophyll a (mg/g)	0.72
17	Petiole Length (cm)	1.03	41	Chlorophyll b (mg/g)	0.58
18	Leaf Length: petiole length	21.30	42	Chlorophyll a/b	1.25
19	Leaf Weight	9.87	43	total Chlorophyll (mg/g)	2.36
20	Petiole Weight	0.21	44	Phenol (μg/mg)	1.74
21	Leaf weight: Petiole Weight	48.62	45	Reducing sugar (μg/mg)	3.82
22	Lamina weight (gm)	9.67	46	Non-reducing sugar (μg/mg)	8.32
23	Laminar Index (%)	97.90	47	Proline (μg/g)	39.07
24	Internodal Distance(cm)	2.01	48	Protein (mg/g)	35.26