

Accession No. 323

IC No.:

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Nagri,Ranchi,Jharkhand

Year of Planting: July-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	68.447
2	Bark Nature	Rough	26	MRC (%)	66.61
3	Bark Colour	Grey	27	Stomata /mm ²	430.207
4	Phyllotaxy	Opposite	28	Stomata length (μm)	24.483
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.527
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.567
7	Leaf Apex	Obtuse	31	Stomata pore width (μm)	6.687
8	Leaf Margin	Entire	32	Cuticle thickness(μm)	14.61
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	21.867
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	130.567
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	176.327
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.223
13	Number of Glands	2	37	No. of chloroplasts	6
14	Position of Glands	Opposite	38	Total thickness(μm)	359.593
15	Leaf Length (cm)	8.1	39	Palisade: Parenchyma	0.74
16	Leaf Width (cm)	4.383	40	Chlorophyll a (mg/g)	0.56
17	Petiole Length (cm)	0.367	41	Chlorophyll b (mg/g)	0.739
18	Leaf Length: petiole length	22.091	42	Chlorophyll a/b	0.758
19	Leaf Weight	5.587	43	total Chlorophyll (mg/g)	1.41
20	Petiole Weight	0.136	44	Phenol (μg/mg)	4.94
21	Leaf weight: Petiole Weight	41.199	45	Reducing sugar (μg/mg)	10.867
22	Lamina weight (gm)	5.451	46	Non-reducing sugar (μg/mg)	11.567
23	Laminar Index (%)	97.572	47	Proline (μg/g)	74.41
24	Internodal Distance(cm)	2.94	48	Protein (mg/g)	14.28