

Accession No. 131

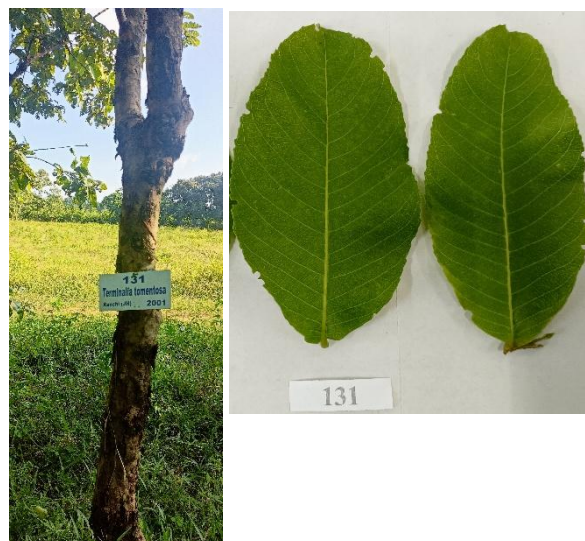
IC No.: 355541

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Nagri (Ranchi)

Year of Planting: July-Aug 2001



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	71.663
2	Bark Nature	Rough	26	MRC (%)	69.233
3	Bark Colour	Dark Grey	27	Stomata /mm ²	302.373
4	Phyllotaxy	Opposite	28	Stomata length (μm)	25.1
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	14
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.563
7	Leaf Apex	Acute	31	Stomata pore width (μm)	6.94
8	Leaf Margin	Dentate	32	Cuticle thickness(μm)	12.75
9	Young Leaf Colour	Light Green	33	Upper epidermis thickness (μm)	25.24
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	128.157
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	140.907
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	12.747
13	Number of Glands	4	37	No. of chloroplasts	8
14	Position of Glands	Alternate	38	Total thickness(μm)	319.8
15	Leaf Length (cm)	21.767	39	Palisade: Parenchyma	0.91
16	Leaf Width (cm)	11.147	40	Chlorophyll a (mg/g)	0.863
17	Petiole Length (cm)	0.463	41	Chlorophyll b (mg/g)	0.76
18	Leaf Length: petiole length	46.978	42	Chlorophyll a/b	1.136
19	Leaf Weight	6.503	43	total Chlorophyll (mg/g)	2.364
20	Petiole Weight	0.121	44	Phenol (μg/mg)	1.741
21	Leaf weight: Petiole Weight	55.625	45	Reducing sugar (μg/mg)	3.817
22	Lamina weight (gm)	6.383	46	Non-reducing sugar (μg/mg)	8.317
23	Laminar Index (%)	98.145	47	Proline (μg/g)	39.067
24	Internodal Distance(cm)	2.477	48	Protein (mg/g)	35.26