

Accession No. 313

IC No.: 410868

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Premnagar, Chhattisgarh

Year of Planting: July-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Spreading	25	Moisture (%)	68.553
2	Bark Nature	Smooth	26	MRC (%)	67.28
3	Bark Colour	Brown	27	Stomata /mm ²	486.487
4	Phyllotaxy	Opposite	28	Stomata length (μm)	27.95
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.217
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	19.707
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.18
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	16.227
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	24.103
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	99.203
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	138.25
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	21.833
13	Number of Glands	2	37	No. of chloroplasts	6
14	Position of Glands	Alternate	38	Total thickness(μm)	299.617
15	Leaf Length (cm)	12.433	39	Palisade: Parenchyma	0.718
16	Leaf Width (cm)	5.133	40	Chlorophyll a (mg/g)	0.966
17	Petiole Length (cm)	0.543	41	Chlorophyll b (mg/g)	0.822
18	Leaf Length: petiole length	22.883	42	Chlorophyll a/b	1.176
19	Leaf Weight	5.12	43	total Chlorophyll (mg/g)	1.482
20	Petiole Weight	0.079	44	Phenol (μg/mg)	1.367
21	Leaf weight: Petiole Weight	64.665	45	Reducing sugar (μg/mg)	8.063
22	Lamina weight (gm)	5.041	46	Non-reducing sugar (μg/mg)	9.65
23	Laminar Index (%)	98.45	47	Proline (μg/g)	24.59
24	Internodal Distance(cm)	1.86	48	Protein (mg/g)	29.08