

Accession No. 522

IC No.:

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Nagri,Ranchi,Jharkhand

Year of Planting: June-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Spreading	25	Moisture (%)	70.54
2	Bark Nature	Rough	26	MRC (%)	68.947
3	Bark Colour	Dark Grey	27	Stomata /mm ²	391.08
4	Phyllotaxy	Opposite	28	Stomata length (μm)	15.5
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	13.25
6	Leaf Shape	Lanceolate	30	Stomata pore length (μm)	16.437
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.17
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	16.19
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	16.22
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	137.44
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	162.307
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.243
13	Number of Glands	2	37	No. of chloroplasts	7.333
14	Position of Glands	Alternate	38	Total thickness(μm)	306.563
15	Leaf Length (cm)	19.733	39	Palisade: Parenchyma	0.687
16	Leaf Width (cm)	8.15	40	Chlorophyll a (mg/g)	1
17	Petiole Length (cm)	0.85	41	Chlorophyll b (mg/g)	1.007
18	Leaf Length: petiole length	23.216	42	Chlorophyll a/b	0.994
19	Leaf Weight	5.47	43	total Chlorophyll (mg/g)	1.257
20	Petiole Weight	0.091	44	Phenol (μg/mg)	0.923
21	Leaf weight: Petiole Weight	59.898	45	Reducing sugar (μg/mg)	11.75
22	Lamina weight (gm)	5.379	46	Non-reducing sugar (μg/mg)	10.003
23	Laminar Index (%)	98.33	47	Proline (μg/g)	31.117
24	Internodal Distance(cm)	2.03	48	Protein (mg/g)	22.127