

Accession No. 605

IC No.: 410850

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Harbartpur, Dehradun, Uttarakhand

Year of Planting: July-2003

Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Spreading	25	Moisture (%)	72.82
2	Bark Nature	Rough	26	MRC (%)	71.577
3	Bark Colour	Dark Grey	27	Stomata /mm ²	517.94
4	Phyllotaxy	Opposite	28	Stomata length (µm)	27.983
5	Leaf Nature	Homophyllous	29	Stomata width (µm)	16.783
6	Leaf Shape	Elliptical	30	Stomata pore length (µm)	16.557
7	Leaf Apex	Acute	31	Stomata pore width (µm)	6.207
8	Leaf Margin	Serrulate	32	Cuticle thickness(µm)	14.583
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (µm)	16.193
10	Young Leaf midrib Colour	Green	34	Palisade thickness (µm)	113.07
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (µm)	162.177
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (µm)	20.22
13	Number of Glands	2	37	No. of chloroplasts	7
14	Position of Glands	Alternate	38	Total thickness(µm)	423.203
15	Leaf Length (cm)	18.467	39	Palisade: Parenchyma	1.04
16	Leaf Width (cm)	11.033	40	Chlorophyll a (mg/g)	0.535
17	Petiole Length (cm)	1.633	41	Chlorophyll b (mg/g)	0.373
18	Leaf Length: petiole length	11.306	42	Chlorophyll a/b	1.434
19	Leaf Weight	22.14	43	total Chlorophyll (mg/g)	1.071
20	Petiole Weight	0.515	44	Phenol (µg/mg)	1.967
21	Leaf weight: Petiole Weight	43.022	45	Reducing sugar (µg/mg)	7.117
22	Lamina weight (gm)	21.625	46	Non-reducing sugar (µg/mg)	5.123
23	Laminar Index (%)	97.672	47	Proline (µg/g)	48.57
24	Internodal Distance(cm)	2.42	48	Protein (mg/g)	8.133