

Accession No. 603

IC No.: 382309

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Kistempeth, Adilabad, Andhra Pradesh

Year of Planting: July-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	65.693
2	Bark Nature	Rough	26	MRC (%)	64.017
3	Bark Colour	Dark Brown	27	Stomata /mm ²	267.643
4	Phyllotaxy	Opposite	28	Stomata length (μm)	28.8
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.483
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	16.503
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.69
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	28.067
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	16.173
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	129.01
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	163.033
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	22.203
13	Number of Glands	2	37	No. of chloroplasts	13
14	Position of Glands	Alternate	38	Total thickness(μm)	358.487
15	Leaf Length (cm)	12.6	39	Palisade: Parenchyma	0.791
16	Leaf Width (cm)	6.367	40	Chlorophyll a (mg/g)	1.168
17	Petiole Length (cm)	0.683	41	Chlorophyll b (mg/g)	1.146
18	Leaf Length: petiole length	18.439	42	Chlorophyll a/b	1.019
19	Leaf Weight	4.96	43	total Chlorophyll (mg/g)	1.896
20	Petiole Weight	0.083	44	Phenol (μg/mg)	3.273
21	Leaf weight: Petiole Weight	59.783	45	Reducing sugar (μg/mg)	3.06
22	Lamina weight (gm)	4.877	46	Non-reducing sugar (μg/mg)	3.667
23	Laminar Index (%)	98.327	47	Proline (μg/g)	30.12
24	Internodal Distance(cm)	1.933	48	Protein (mg/g)	22.897