

Accession No. 702

IC No.: 410796

Scientific Name: *Terminalia arjuna*

Place of origin: Navegaon, Gondia(MH)

Date of plantation: July-2004



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	68.71
2	Bark Nature	Smooth	26	MRC (%)	66.28
3	Bark Colour	Dark Grey	27	Stomata /mm ²	376.353
4	Phyllotaxy	Opposite	28	Stomata length (μm)	24.623
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.593
6	Leaf Shape	Lanceolate	30	Stomata pore length (μm)	18.06
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.983
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	16.077
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	16.077
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	96.573
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	193.173
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	16.243
13	Number of Glands	2	37	No. of chloroplasts	12.667
14	Position of Glands	Alternate	38	Total thickness(μm)	496.297
15	Leaf Length (cm)	17.623	39	Palisade: Parenchyma	0.544
16	Leaf Width (cm)	6.2	40	Chlorophyll a (mg/g)	1.337
17	Petiole Length (cm)	0.52	41	Chlorophyll b (mg/g)	1.02
18	Leaf Length: petiole length	33.891	42	Chlorophyll a/b	1.315
19	Leaf Weight	3.353	43	total Chlorophyll (mg/g)	2.393
20	Petiole Weight	0.039	44	Phenol (μg/mg)	1.263
21	Leaf weight: Petiole Weight	85.396	45	Reducing sugar (μg/mg)	10.633
22	Lamina weight (gm)	3.314	46	Non-reducing sugar (μg/mg)	8.903
23	Laminar Index (%)	98.828	47	Proline (μg/g)	48.167
24	Internodal Distance(cm)	2.477	48	Protein (mg/g)	14.1