



Physical Fiber Properties of Egyptian Cotton Varieties

Measured By HVI & Micromat

Season 2018/2019 From 1/9/2018 Until 27/8/ 2019

variety	varieties of Egyptian Cotton								
	G 45	G 87	G93	G96	G92	G86	G94	G90	G95
Upper Half Mean Length (mm)	35,16		36,24	34,88	33,19	32,53	33,51	29,18	28,70
Uniformity Index (%)	87,60		87,73	87,47	87,33	86,49	86,77	83,93	83,53
Short fiber (%)	5,33		5,40	5,53	5,63	6,03	5,95	7,55	8,25
Strength (gm/tex)	43,15		42,58	44,06	44,82	42,79	40,55	35,29	35,34
Elongation (%)	6,28		5,43	4,63	5,60	5,47	5,68	7,23	6,22
Mic Reading u/inch	3,13		3,21	3,87	3,80	4,37	4,01	4,25	4,29
Reflectance Rd	75,23		68,43	75,70	76,50	75,36	76,18	64,44	67,98
Yellowness +b	8,43		10,60	9,11	8,73	8,84	9,04	11,58	11,77
Maturity (%)	76,70		77,30	79,10	81,10	83,60	81,10	80,70	84,80
Hair Weight (m.tex)	118,67		139,75	149,21	142,42	163,81	151,18	160,95	154,76
Trash Area %	0,61		0,76	0,50	0,65	0,65	0,59	1,12	0,59
Trash Count %	63		78	36	51	48	46	120	59

Tested by USDA Mode .
 Samples Drawn by CATGO From Each Lot .

Chairman
 Eng. / Mohamed Khedr