



### Physical Fiber Properties of Egyptian Cotton Varieties

Measured By HVI & Micromat

From 1/9/2019 Until 8/01/ 2020

variety	varieties of Egyptian Cotton								
	G 45	G 87	G93	G96	G92	G86	G94	G90	G95
Upper Half Mean Length (mm)				35,75	33,46	32,46	33,86		28,79
Uniformity Index (%)				87,9	87,3	86,0	86,5		83,0
Short fiber (%)				4,74	4,68	5,39	5,30		7,42
Strength (gm/tex)				45,4	46,0	43,6	41,4		35,6
Elongation (%)				5,9	5,8	5,9	6,1		6,8
Mic Reading u/inch				3,93	3,52	3,88	3,90		3,97
Reflectance Rd				76,0	76,4	74,3	75,4		66,9
Yellowness +b				9,3	9,2	9,0	9,3		12,0
Maturity (%)				80,0	75,0	76,0	78,0		79,0
Hair Weight (m.tex)				150,0	135,0	156,0	148,0		149,0
Trash Area %				0,5	0,5	0,7	0,7		0,7
Trash Count %				37	43	59	51		67
SCI				219,6	218,0	198,2	197,5		149,3
NO.of Samples				28	49	267	1236		153

Tested by USDA Mode .  
 Samples Drawn by CATGO

Chairman  
 Eng. | Mohamed Khedr