

Physical Fiber Properties of Egyptian Cotton Varieties

Measured By HVI & Micromat

Season 2009/2010 Until 06 / 03 / 2010

Property		Variety	Extra Long Staple					Long Staple			
			G 45	G 70	G 87	G 88	G 92	G 86	G 89	G 80	G 90
Length	Upper Half Mean	mm		34.1		35.2	33.3	32.4		30.1	28.6
	Uniformity	Index		87.5		87.0	87.2	86.3		84.3	83.1
Strength	Strength	g/tex		43.2		44.8	44.5	42.7		36.2	33.8
	Elongation	%		4.1		3.7	4.0	4.4		6.0	6.6
Fineness	Micronaire	u/inch		4.00		3.92	3.86	4.50		4.39	4.21
Color	Reflectance	Rd%		73.0		66.5	75.0	75.6		64.3	66.1
	Yellowness	+b		8.6		11.6	8.3	8.4		12.1	11.3
Trash	Trash Area	%		0.6		0.6	0.5	0.6		1.0	1.0
	Trash Count			38		51	44	44		87	95
Micromat	Maturity	%				85	83	89		84	86
	Hair - Weight	millitex				154	135	170		173	166
SCI	Spinning Consistency Index			209		210	212	196		156	144
Number of Samples				17		1549	11	7017		606	946

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

Spinning & Fiber Sector March 2010

Chairman
Eng./ Tharwat El Miniawy