

Physical Fiber Properties of Egyptian Cotton Varieties

Measured By HVI & Micromat

Season 2009/2010 Unti31 /8 / 2010

Property		Variety	<u>Extra Long Staple</u>					<u>Long Staple</u>			
			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		86.9	87.2	86.3		84.3	83.1
Strength	Strength	g/tex		43.2		44.7	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		66.4	75.0	75.7		64.3	66.1
	Yellowness	+b		8.6		11.6	8.3	8.4		12.1	11.3
Trash	Trash Area	%		0.6		0.7	0.5	0.6		1.0	1.0
	Trash Count			38		52	44	45		87	95
Micromat	Maturity	%		88		84	86	89		85	85
	Hair - Weight	millitex		157		154	142	170		174	165
SCI	Spinning Consistency Index			209		209	212	195		156	143
Number of Samples				17		1912	11	9182		606	946

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

Spinning & Fiber Sector August 2010

Chairman
Dr.Eng./ Mahmoud ELBagoury